19990409.qrp v01_n421.qrl.990409

Date: Fri, 9 Apr 1999 19:03:23 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1421

QRP-L Digest 1421

Topics covered in this issue include:

by "Kevin F. Glynn" <kfglynn@prodigy.net>
20) [37650] NC20 Sold and S38 - Thanks
by "John Meade" <jemeade@suffolk.lib.ny.us>
21) [37651] Sale:Sierra Gone
by Jay Bromley <w5jay@alltel.net>
22) [37652] FS: OHR 500
by Dan Copeland <kf0ov@alltel.net>
23) [37653] Re: Contest logger info sought
by Paul Erickson <paule@sfu.ca>
24) [37654] Kudos to Samlex
by ka7you@juno.com
25) [37655] Re: New OHR URL -- And New Owner
by "William Phinizy" <k6whp@gte.net>
26) [37656] Re: New OHR URL -- And New Owner
by Bob Hightower <ki7mn@extremezone.com>
27) [37657] KL7-Land Springtime Weather on 8 April 1999
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
28) [37658] Re: Contest logger info sought
by Bob Patten <n4bp@bc.seflin.org>
29) [37659] Radio Shack Switching Power Supply
by DYARNES@aol.com
30) [37660] Re: Antenna Recommendations
by "David Reid" <dareid@Synopsys.COM>
31) [37661] Re: Radio Shack Switching Power Supply
by "Radman" <radman@best.com>
32) [37662] Re: keying problems
by Michael Neverdosky <MichaelN@cycat.com>
33) [37663] Re: keying problems
by "David Reid" <dareid@Synopsys.COM>
34) [37664] Re: Antenna Recommendations
by John R Kirby <n3aaz-qrp@juno.com>
35) [37665] Re: Tick Won't Key 49'ner
by Andy C Meng <andymeng@juno.com>
36) [37666] norcal 40a
by bkobie@webtv.net (patrick obrien)
37) [37667] Re: Keyer Woes :(
by Andy C Meng <andymeng@juno.com>
38) [37668] Pulse Radio
by Michael Maiorana <mikemo@ibm.net>
39) [37669] CW Prosigns, <CT> & <VA>???
by Rod Cerkoney <rwc@frii.com>
40) [37670] Re: Pulse Radio
by "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
41) [37671] RE: Pulse Radio
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
42) [37672] Re: CW Prosigns, <CT> & <VA>???
by "David Reid" <dareid@Synopsys.COM>
43) [37673] postpone

    by Bcieslak@ra.rockwell.com
44) [37674] KEY GIVEAWAY
    by Brad Bradfield <b_bradfield@yahoo.com>
45) [37675] FDIM
    by "Kenneth W. Evans" <w4du@bellsouth.net>
46) [37676] Forsale FT-1000MP
    by Bill Nicolson <n2wf@erols.com>
47) [37677] Re: keying problems
    by "George T. Baker" <w5yr@swbell.net>
48) [37678] Re: Pulse Radio
    by "George T. Baker" <w5yr@swbell.net>
49) [37679] Re: KEY GIVEAWAY
    by James Skalski <jskalski@localnet.com>
50) [37680] 3B9R.......at 4.5 watts!!!!!
    by Clifton W Sikes <ab5uacw@juno.com>
51) [37681] Elmer205: 990409 Amplifiers Part 1
    by Chuck Adams <adams@ticnet.com>
52) [37682] Contest logger info sought
    by Buck Switzer <n8cqa@tir.com>
53) [37683] Software
    by Mercxx@aol.com
54) [37684] O'Scope Help
    by Brad Mugleston <bmug@gwl.com>
55) [37685] Error message
    by Ron Stark <ku7y@dri.edu>
56) [37686] Yep, there are some tube users here
    by "Mike Silva" <mjsilva@jps.net>
57) [37687] postpone
    by Mike Leister <leister@baghwan.nsc.com>
58) [37688] Morgan Stout, your email bounces
    by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
59) [37689] Dummy Load Question
    by "Mont Pierce, KM6WT" <montp@synacom.com>
60) [37690] Morse Code Tutor / Morse Academy
    by "David Hurley, n2zhy" <n2zhy@amsat.org>
61) [37691] Re: Error message
    by Bruce Rattray <rattray@gpfn.sk.ca>
62) [37692] Re: Dummy Load Question
    by Jeff Johns <jeffj@scott.net>
63) [37693] Re: Contest logger info sought
    by Bob Hightower <ki7mn@extremezone.com>
64) [37694] Resistive Antenna Bridge Simulation
    by wd9eyb@butler.indiana.net
65) [37695] Re: Error message
    by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
66) [37696] Snappy ???
    by pmk@juno.com
67) [37697] Re: Dummy Load Question

    by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
 68) [37698] Re: Yep, there are some tube users here
    by "Mike Silva" <mjsilva@jps.net>
 69) [37699] Re: Dummy Load Question
    by Bob Patten <n4bp@bc.seflin.org>
 70) [37700] Re: Error message
    by PDouglas12@aol.com
 71) [37701] Re: Dummy Load Question
    by Chris Trask <ctrask@primenet.com>
 72) [37702] Re: Dummy Load Question
    by Jeff Johns <jeffj@scott.net>
 73) [37703] Re: Dummy Load Question
    by DNT1@daimlerchrysler.com
 74) [37704] Linear Loaded antennas.
    by Ed Loranger <we6w@qsl.net>
 75) [37705] QRP WSN-40 Net.
    by Ed Loranger <we6w@qsl.net>
 76) [37706] Re: Dummyload question
    by w4pj@w4bkx.ampr.org
 77) [37707] Re: Pulse Radio
    by Jim <w7ls@blarg.net>
 78) [37708] Dummy Loads
    by "Bryan Turner" <turnerw@email.uah.edu>
 79) [37709] AEA morsematic keyer Questions
    by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
 80) [37710] Re: Linear Loaded antennas.
    by tom whalen <wb5qyt@eFortress.com>
 81) [37711] Re: Pulse Radio
    by Michael Maiorana <mikemo@ibm.net>
 82) [37712] Re: QRP WSN-40 Net.
    by tom whalen <wb5qyt@eFortress.com>
 83) [37713] Re: Dummy Load Question
    by "Carl Zmola" <zmola@campbellsci.com>
 84) [37714] Some More QRP to the Field History, and the Infamous Area 51
Expedition (Long)
    by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
 85) [37715] Linear Loaded Antennas. Answer found.
    by Ed Loranger <we6w@qsl.net>
 86) [37716] Re: AR QRP 40 m net results
    by SKIPNC9O@aol.com
 87) [37717] Re: Dummy Load Question
    by applitech@mcg.net (Claton Cadmus)
 88) [37718] Spring Party Teams???
    by Bob Patten <n4bp@bc.seflin.org>
 89) [37719] Re: Dummy Load Question
    by Bob Hightower <ki7mn@extremezone.com>
 90) [37720] some NC20 help needed
    by John Scott <kk5vh@yahoo.com>

 91) [37721] The ARS Sojourner -- Perfect Chair
     by Ed Loranger <we6w@qsl.net>
 92) [37722] How could we work this out???
     by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
 93) [37723] Re: O'Scope Help
     by wa8rxi@juno.com
 94) [37724] Re: Error message
     by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
 95) [37725] Re: Error message
     by Brian Murrey <brian@iquest.net>
 96) [37726] Re: How could we work this out???
     by Ron Stark <ku7y@dri.edu>
 97) [37727] Re: [How could we work this out???]
     by Roy Lincoln <wa4dou@usa.net>
 98) [37728] Re: How could we work this out???
     by Jim Lowman <jmlowman@ix.netcom.com>
 99) [37729] NorCal 20 Custom Enclosures
     by "Doug Hauff" <slmachco@fix.net>
100) [37730] QRPTTF from WY/NE/CO
     by "Zoerb, Ron" <Zoerb.Ron@tci.com>
101) [37731] dElighted my CAJUN MAMA WITH QRP
     by hamjoel@juno.com

Date: Thu, 8 Apr 99 17:11:22 MST
From: R Hayden <rhayden@dzn.com>
To: qrp-l@lehigh.edu
Subject: [37631] TRAC KeyerTE-133
Message-ID: <199904082305.TAA165928@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello out there,
   I know you guys can solve almost any problem. Here's another one for you.
   I purchased a CMOS keyer at a pawn shop on a whim with less than a dollar
in my pocket.
   Here's the problem:
   It doesn't seem to work.

   It is a TRAC keyer model TE-133 made in Buffalo, NY.
   Does anyone out there know anything about this keyer or one similar?
   Would like a copy of a manual, schematic (oops, spelling-no checker) or
any other useful information.
   Thanks and respond to me to keep the bandwidth down.
   Richard Hayden
   El Paso, TX.

Date: Thu, 8 Apr 99 17:19:39 MST
From: R Hayden <rhayden@dzn.com>
To: qrp-l@Lehigh.EDU
Subject: [37632] TRAC KeyerTE-133
Message-ID: <199904082313.TAA79494@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hello out there,
>   I know you guys can solve almost any problem. Here's another one for you.
>   I purchased a CMOS keyer at a pawn shop on a whim with less than a
dollar in my pocket.
>   Here's the problem:
>   It doesn't seem to work.
>
>   It is a TRAC keyer model TE-133 made in Buffalo, NY.
>   Does anyone out there know anything about this keyer or one similar?
>   Would like a copy of a manual, schematic (oops, spelling-no checker) or
any other useful information.
>   Thanks and respond to me to keep the bandwidth down.
>   Richard Hayden
>   El Paso, TX.
>

Date: Thu, 8 Apr 1999 18:16:51 -0500
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [37633] Keyer Woes :(
Message-ID: <199904082316.SAA26494x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Thanks to everyone who is offering suggestions about why my little Ten-Tec
keyer won't work with my SW40+. The most popular suggestion has been that
they keyer may have been a 'grid-block' type of keyer. I investigated this
scenario and it isn't that type. I also hooked the keyer up to my HTX-100
and it works perfectly with that radio. Let me try to explain what happens
when I plug it into the SW40+:

When I plug the keyer into the SW40+, I get like a 'keydown' situation and hear the sidetone in the headphones, the light on my Rainbow tuner also lights so I know the transceiver is keyed. The SW40+ works fine with my vintage J-38 straight key.

It's really weird because the keyer _does_ work with my HTX-100. One thing that I did notice is that if I touch the contacts on the SW40+ where the key plugs into it (I had it open to verify that the contacts on the plug were okay and touching the male plug from the keyer) the SW40+ emits a LOUD sidetone into the headphones :)

I would welcome and comments or suggestions, as this has really got me baffled :(

73 Jeff


```
    *--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *-----------------------------------------------------------------*
```

Date: Thu, 8 Apr 1999 18:16:53 -0500
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [37634] 'Titantic' Movie Key
Message-ID: <199904082316.SAA26511x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

In the movie 'Titantic', what kind of straight key is used? I watched the movie again last night and paused the VCR when the zoomed in on the key. Is it a vintage key or is a modern one? It really looks 'beefy' and sturdy.

73 Jeff


```
    *--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *-----------------------------------------------------------------*
```

Date: Mon, 8 Apr 1985 17:50:00 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: qrp-l@Lehigh.EDU
Subject: [37635] Re: keying problems
Message-ID: <19990408234730754.AAA202@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Jeff Johns <jeffj@scott.net> wrote:
> On Thu, 08 Apr 1999 13:09:02 -0600, tom whalen <wb5qyt@eFortress.com> wrote:
>
> > My keyer does not like to key some of my rigs.
>
> When you try to use it does it just 'key down' the rig the moment you plug
> it in? If this is the case and you find the answer, please share it with us!
>

I have no personal experiance in this, but the mfj keyer I was
borrowing had two outputs, one marked grid and the other ????

The other was a simple closed circut for tone. The grid side was
not, I don't know what it was, but supposedly it was used on one
of his rigs. If he plugs in to the wrong side, then guess what
happens. His rig is always keyed.

Can someone explain this other mode to me? Probably doesn't
have anything to do with the problems described, but I'm interested.

Carl
KK7QD

Carl
zmola@campbellsci.com

Date: Thu, 8 Apr 1999 20:09:13 -0400 (EDT)
From: malman@world.std.com (Joel Malman)
To: jeffj@scott.net
Cc: qrp-l@Lehigh.EDU
Subject: [37636] "auto" key down
Message-ID: <199904090009.AA13606@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff,

Replace the cable and connector(s) between the keyer and the SW40.

Some cables/connectors present a high resistance across the contacts
and some rigs 'see' that as a key-down situation.

--
/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Thu, 08 Apr 1999 17:17:01 -0700
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [37637] Results of the APRIL SPARTAN SPRINT
Message-ID: <199904090015.RAA12403@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

We had reasonably good propagation and excellent participation during the
April Spartan Sprint. 20 meters was the sleeper. There were a ton of
sprinters on 20, but you had to listen carefully.

The Soapbox has been posted separately in the April edition of The ARS
Sojourner. http://www.natworld.com/ars As usual, the soapbox, and the April
edition in its entirety, are great reading.

Each contact received one point. If your station weighed more than the World
Trade Center, we stipulated a weight of 30 pounds.

THE SKINNY DIVISION (results sorted in order of points per pound)

Call	Name	40 M	20M	Total	Weight	Points/ Pound
W3TS	Mike	15	11	26	1.3	20.00
AA7QU	Russ	15	39	54	2.8	19.29
K6PZB	John	8	14	22	1.25	17.60
AA4XX	Paul	13	3	16	2.9	5.52
N0SXX	Gary	9	7	16	4.3	3.72
W5RXP	Rich	0	10	10	2.9	3.45

KI0II	Ron	12	9	21	6.1	3.44
K1QM	Joel	9	1	10	3	3.33
K7GT	Allan	17	0	17	6	2.83
WA7LNW	Jack	0	25	25	9.5	2.63
AB0GO	David	7	0	7	4	1.75
AA8PJ	Jeff	3	1	4	3	1.33
AB8DF	Ed	0	7	7	8	0.88
KA8LLE	Ben	0	4	4	5.5	0.73
KI0MZ	Steve	0	7	7	10	0.70
KO7X	Alan	12	4	16	30	0.53
VE3ELA	Ken	7	2	9	17	0.53
K5HWT	Morgan	1	0	1	2.7	0.37
AA8WQ	Paul	9	2	11	30	0.37
VE3FAL	Fred	10	0	10	30	0.33
VE6AAN	Pat	3	5	8	30	0.27
W1CLF	John	6	0	6	30	0.20
NR1C	Mike	3	2	5	30	0.17
KK7OM	Bruce	1	0	1	30	0.03

THE TUBBY DIVISION (results sorted in order of points)

Call	Name	40 M	20M	Total
AA7QU*	Russ	15	39	54
W3TS	Mike	15	11	26
WA7LNW	Jack	0	25	25
K6PZB	John	8	14	22
KI0II	Ron	12	9	21
K7GT	Allan	17	0	17
N0SXX	Gary	9	7	16
KO7X	Alan	12	4	16
AA4XX	Paul	13	3	16
AA8WQ	Paul	9	2	11
VE3FAL	Fred	10	0	10
W5RXP	Rich	0	10	10
K1QM	Joel	9	1	10
VE3ELA	Ken	7	2	9
VE6AAN	Pat	3	5	8
KI0MZ	Steve	0	7	7
AB8DF	Ed	0	7	7
AB0GO	David	7	0	7
W1CLF	John	6	0	6
NR1C	Mike	3	2	5
KA8LLE	Ben	0	4	4
AA8PJ	Jeff	3	1	4
KK7OM	Bruce	1	0	1
K5HWT	Morgan	1	0	1

* Contest manager not eligible

Thanks for your participation and your support of Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 08 Apr 1999 17:19:25 -0700
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@lehigh.edu>
Subject: [37638] THE APRIL ARS SOJOURNER IS LIVE!
Message-ID: <199904090017.RAA12583@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Adventure Radio Society is pleased to let you know that the April edition of The ARS Sojourner is live. How about a homebrew double sideband rig for 40 meters, or a backpacking rig built in the shape of a torpedo? This, and much more! Go to http://www.natworld.com/ars.

Richard Fisher, KI6SN, executive editor

Date: Thu, 8 Apr 1999 19:53:55 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [37639] Contest logger info sought
Message-ID: <199904090053.TAA22835@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I know this has been covered before, but how can I get CT logger or EQF logger to work with QRPARCI
or other QRP contest formats? Is there a way to customize fields? Getting ready for both QRP Activities this month.
See you on the air.

Thank you,

Kelly Ellison - WB0WQS - Aurora, Missouri - Summit City of the Ozarks.

Date: Fri, 09 Apr 1999 00:57:01 +0100
From: Peter Larsen <larsenp@cadvision.com>
To: Low Power <qrp-l@Lehigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [37640] Wild Rose
Message-ID: <370D424D.50804E52@cadvision.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All:
I find that I will have Saterday afternoon to play
a bit with.
I will try to be on 28.310 SSB from 19:00z till the band
closes or I have to leave.
Hope to see you all there.

TH-6 at 72 feet fed with 1/2 hard line. I hope it works.
--
 73 es have fun
 Peter
 VE6YC DO21wc

Artificial intelligence is no match for natural stupidity.

Date: Thu, 08 Apr 1999 20:59:05 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [37641] Basic
Message-ID: <370D50D9.136BD35D@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Charles, you may have just learned to most important thing that you will
ever discover in the world of radio electronics..Sadly, the folks at
your local Radio Shack rarely know anything about radio. If you ever
find a Radio Shack salesperson who has reasonable (and useful) technical
knowledge offer to name your kids ofter him/her if they agree to

continue to work at your local store.

>Hi all, I am just beginning to learn about electronics and circuits!!
>And I have a very very basic question that believe it or not, nobody >could
answer at my local Radio Shack!!
--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Thu, 08 Apr 1999 20:58:27 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP-CANADA <qrp-
canada@lists.gpfn.sk.ca>
Subject: [37642] QRP Jollies
Message-ID: <370D50B3.9A7CAA1C@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

OK, so I'm months behind on various projects and promises, but I gotta
tell you about Wednesday.

Item 1 - received a qsl from V47KP, St. Kitts, for a QRP qso on Feb.
21. This is confirmed country #100, many QRP, all less than 100 W.
Well, 21 years to confirm 100 countries. No world record, but still a
thrill.

Item 2 - thanks to HB9JNH Markus, I was able to acquire an AC-3 15m
receive converter for my Ten Tec Powermite PM-2. Wednesday evening I
had the fun of installing it. I listened for Earl VE6EWM while I was
sniffin' solder. Copied him and called him a couple of times, but no
luck. I wonder when the LAST time was that someone installed an AC-3 in
a PowerMite rig? Recon it's been a few years....

Boy, I love this stuff!

                  73/72, JC

```
            |     VE3JC  John Cumming
     Q      |     Delaware, ON CANADA
     /\     |     jbcumming@wwdc.com
   @` / ----      hf qrp cw bicycle mobile
  ( ) \( )        http://www.geocities.com/CapeCanaveral/Lab/7378/
```

Date: Thu, 08 Apr 1999 20:04:15 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37643] Sale:
Message-ID: <370D520F.F7EC2A19@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

More house cleaning:
I listed my Sierra for $350. last week. I had a lot of tire kickers but no takers so lets try $300 for the Sierra with the KC-2 and eight modules. The ones that are built are 40m, 30m, 20, 15, and 10m. The unbuilt modules are 160m, 80m, and 18m.

Index Labs QRP ++ for $400.

Keys: G4ZPY #6 Nickel Grand Luxe pump key on a mahogany base $100.00

A Electroinstrument Russian Key-8 paddle keyer.----$100.

A Hi Mound MK-705 on a marble base.-----$125

All items are firm for now and are just like they came out of the box. Shipping is included. Thanks for the bandwidth.

73 de w5jay..

Date: Thu, 8 Apr 1999 21:05:59 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [37644] Double needle meters
Message-ID: <000201be8225$2d3fa860$f1f3fea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Someone recently posted that they had Double needle movements...(typical, you delete one day and realize that you need it the next <grin>) Shoot me back a message I need one or two...

73 de KF4CPJ
George Goodroe
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>

Date: Thu, 08 Apr 1999 21:06:10 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>
Subject: [37645] MFJ 3-Pack!
Message-ID: <370D5282.9E9FC494@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I spotted this ad on "The Virtual Hamfest". Somebody might be interested. If you've never browsed the virtual hamfest, it can be found at http://www.vhamfest.com/class.html . "Sparkie" does a great job with it, and I see he's donating 50% of his gross revenue to support Kosovo refugees.

... no affiliation, just a satisfied "tire kicker"

For Sale: MFJ QRP Rigs
Make: MFJ Model: Model MFJ 9040 (40m) $120 ea/$300 all
Selling the estate of a silent key for his widow. Have 3 MFJ QRP rigs. The 40, 30 and 20 meter versions. New cost is
$169.95 each. Will sell all three for $300 or $125 each. Buyer to pay cost of shipping, manuals for all three included.
Equipment looks excellent.
Contact: / mhoover@sunlink.net (PA) 04/04/99 Ad#: 3824

| VE3JC John Cumming
Q | Delaware, ON CANADA
/\ | jbcumming@wwdc.com
@` / ---- hf qrp cw bicycle mobile
( ) \( ) http://www.geocities.com/CapeCanaveral/Lab/7378/

Date: Thu, 08 Apr 1999 21:09:28 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [37646] re: lightning protection
Message-ID: <370D5348.DFFC7606@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My setup may scare a few folks but I'm a bit stuck in that I have no easy way to make my disconnected antennas go outside. I think I've done the next best thing and I do hope I get reasonable safety corrections from the group if I am too far off base. I have two coax lines (HF and VHF) that run into the house through the roof and outside wall. Where they enter into the house I have installed gas type surge protectors that are grounded (along with the shilds, I assume) to #2 Copper that runs down and ties to the main house ground rod. Obviously, I disconnect my antennas whenever they are not in use. The free coax ends are placed in a heavy (1/2" thick) glass jar to contain them from the rest of the shack. I am in the habit of disconnecting all equipment from both power and grounds. because the lines come in at the second story level it is downright dangerous to disconnect them by hanging out the window. I've used this setup succesfully at two locations for over fifteen years. Am I as okay as I can get or should I increase my contributions to the local fire department???
--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Thu, 8 Apr 1999 20:55:36 -0500
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [37647] Argh.... it's worse now!
Message-ID: <199904090155.UAA27039x@scott.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Okay, here's where we are in my saga of the inoperative keyer. Many people suggested that I reverse the leads going to the actual key jack on the SW40+, so I did hoping that would fix everything. Well... now when I put the headphones on and apply power, the sound coming out of the headphones is EXTREMELY LOUD, when the Freq Mite fires off the frequency, it could possibly deafen you <g> and the keyer still doesn't work :(Tomorrow, when I'm less frustrated, I will reverse the leads to their original positions. Does the fact that the headphone jack uses the same ground as the key jack have anything to do with it? I used the enclosure kit supplied by Dave Benson. I'm sure there is a simple explanation, I just can't figure it out. Also, this weekend, I may try and borrow somebody elses keyer to see what it does on the SW40+. I'm still accepting suggestions and comments and don't worry if the sound silly, I'm willing to try 'em all :)

73 Jeff


```
    *--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------*
    |jeffj@scott.net  w4jef@amsat.org |     Reserve Patrol Captain     |
    |  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet|     QTH Birmingham, AL USA     |
    *-----------------------------------------------------------------*
```

Date: Thu, 08 Apr 1999 22:39:45 -0400
From: Tom Palmer <n1tp@worldnet.att.net>
To: jeffj@scott.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37648] Re: 'Titantic' Movie Key
Message-ID: <370D6871.5317BE1B@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For replica of the Titanic Key see:

http://www.metronet.com/~nmcewen/megastage/Marconi_Titanic_replica_side2.jpg

Tom, N1TP, Naples, Florida.

Jeff Johns wrote:

> In the movie 'Titantic', what kind of straight key is used? I watched the
> movie again last night and paused the VCR when the zoomed in on the key. Is
> it a vintage key or is a modern one? It really looks 'beefy' and sturdy.
>
> 73 Jeff
>
>   *--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------*
> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
>   *---*

Date: Thu, 8 Apr 1999 22:42:34 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "Tony WW2W" <acatalan@pipeline.com>, "Ed W2SN" <maded@ix.netcom.com>
Subject: [37649] Pls Work N2Y Special Event from Brooklyn 10 Apr - 24 Apr
Message-ID: <199904090242.WAA94364@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

The Brooklyn QRP Club (KK2X) will be having a Portable Special Event
running the call N2Y again this year. Last year we did it as a kickoff
event and this year it's our first anniversary. Had no idea about two
contests running concurrently with the special event! Will be operating
from our
"home field" of Cannonball Park (John Paul Jones Park) located at the foot
of the Verrazano Bridge connecting Brooklyn and Staten Island.
Certificates and QSLs will be issued if you QSL me with an SASE please.

We're planning on operating this Saturday Apr 10th & Sunday Apr 11th,
Saturday Apr 17th & Sunday Apr 18th, and Saturday Apr 24th from late
morning until late afternoon (approx. 1500-2100 UTC) barring any storms!
We'll be working CW on QRP frequencies on 10, 15, 20 and 40 meters. Will
also be working SSB on 10 (28.365), 15 (21.365) and 20M (14.265).

I will be running N2TO for the ARCI Spring QSO Party, and will operate N2Y
on SSB only this weekend. Tony WW2W and Ed W2SN will be working N2Y on CW
and SSB so hopefully you can work them on CW this weekend during the ARCI
Spring QSO Party. Hoping Elmar K2EL can join us as well.

Still not sure how we'll handle QRPTTF. Please listen for and work us.
Thanks!

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Thu, 8 Apr 1999 23:01:44 -0700
From: "John Meade" <jemeade@suffolk.lib.ny.us>
To: <qrp-l@Lehigh.edu>
Subject: [37650] NC20 Sold and S38 - Thanks
Message-ID: <199904090255.WAA29339@mx.suffolk.lib.ny.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The NC20 has been sold. Thank you for all of the responses. Sorry I did
not return emails
individually.

And thanks for the offers for other Hallicrafters besides the S38. There
was a recent article in
Monitoring Times about restoring the S38 (my first receiver). The author
said that there were 1000's of S38's made and that they are not considered
to be rare. But I have not found a single one yet. I'll
keep looking, and try to sneak it in next to the Lafayette HE30 before the
XYL sees it.

CU on the bands. Thanks again. 72,

John W2XS

Date: Thu, 08 Apr 1999 22:10:03 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37651] Sale:Sierra Gone
Message-ID: <370D6F8B.E3CB988E@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,
The Sierra is sold. I also forgot to include my address and phone #.
They are:

Jay Bromley
9505 Bryn Mawr Circle.
Fort Smith, Ar. 72908-9276
Ph-501-648-9138
ph-501-651-7012 cell

Date: Thu, 08 Apr 1999 22:31:34 -0500
From: Dan Copeland <kf0ov@alltel.net>
To: qrp-l@Lehigh.EDU
Subject: [37652] FS: OHR 500
Message-ID: <199904090331.WAA17451@mail.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have decided to part with my OHR 500. It is in mint condition
and is about 3 months old. It has the built in keyer and the DD-1
display.

I will sell it with or without the DD-1. Email me for more information.

Date: Thu, 8 Apr 1999 20:40:03 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: kelman@dialnet.net
Cc: qrp-l@lehigh.edu (qrp)
Subject: [37653] Re: Contest logger info sought
Message-ID: <199904090340.UAA04539@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Kelly,

I would strongly recommend TRlog for any cw contesting you want
to do. I believe that NA can be configured for the arci contests,
but I don't know for sure.

cheers, Paul - VE7CQK - email: paule@sfu.ca
>
> I know this has been covered before, but how can I get CT logger or EQF

> logger to work with QRPARCI
> or other QRP contest formats? Is there a way to customize fields? Getting
> ready for both QRP Activities this month.
> See you on the air.
>
>
> Thank you,
>
> Kelly Ellison - WB0WQS - Aurora, Missouri - Summit City of the Ozarks.
>
>

Date: Thu, 08 Apr 1999 23:41:07 EDT
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Cc: ka7you@aol.com
Subject: [37654] Kudos to Samlex
Message-ID: <19990408.195846.9007.0.ka7you@juno.com>

I just want to publicly express my appreciation to thre Samlex Company.
Yes, the ones who sell the power supplies which are advertised at Tech
America.
   I recently purchased a new looking, but defective 10 amp Samlex power
supply from a local surplus shop. The price was very cheap, and I knew
it did not work when I bought it.
   When I got home and opened it up, everything looked new inside, and
the quick basic checks showed that the regulator section to be
nonfunctional.
   On a lark, I checked the web for a Samlex home page, and found one.
There was a choice of 'English' or 'Dutch' versions. I sent a polite
request for a schematic, and explained that I was not the original owner,
and was just trying to repair one. I was surprised to get an immediate
response, which just said to send them my mailing address. Actually it
said " Please intimate to me your mailing address". I responded with my
mailing address and a FAX number, for their convenience.
   Two days later, I received a four page FAX with the schematic, parts
layout diagram, complete parts list and a page of miscellaneous
suggestions for substitute transistors, and cautions about reverse
pinouts on some of the substitutions, with diagrams.
    I think this kind of customer service needs a bit of exposure. I
will certainly consider their products again, when in need.   SGC-you
listening?
  A happy camper, for sure, on this one.
   7 3,
Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

Date: Thu, 8 Apr 1999 20:44:56 -0700
From: "William Phinizy" <k6whp@gte.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Cc: "Oak Hills Research (KE8KL)" <qrp@ohr.com>
Subject: [37655] Re: New OHR URL -- And New Owner
Message-ID: <002b01be823b$6dd96e40$92b2fdd0@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Boy, talk about mixed emotions!

I will sincerely miss dealing with Dick! My first kit was the OHR 100A and I dearly love that rig. It is a super performer and a bulletproof radio -- it had to be to endure the onslaught of my building and operating practices. Dick was very patient as he helped me cure some VFO drift problem (and rewinding the famous L113). I have an as yet unbuilt OHR 500 -- if you can believe it -- that awaits another burst of energy and the agonies of a job change to subside. I was so looking forward to e-mailing Dick from time to time to chat about my progress.

Marshall is also a super guy. I bought the AADE cap meter kit from him. He was most kind and gracious about explaining its good points as well as (minor) shortcomings. I know OHR is falling into good hands.

Excuse me while I gush more, but the folks who make these kits and products available to us really do a bang-up job. I'm sure Dave, Dick, Marshall, et al. aren't salting away a ton of dough; I can't think of any kit maker or dealer who doesn't put the customer first. When you think about it, these kits are phenomenal for the prices they're asking. Good parts, great boards, and outtasight support for a razor thin profit margin.

..sure am grateful to these guys.

Thanks a million, Dick, and good luck Marshall!

Date: Thu, 08 Apr 1999 21:29:32 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: k6whp@gte.net
Cc: qrp-l@lehigh.edu
Subject: [37656] Re: New OHR URL -- And New Owner
Message-ID: <199904090429.VAA06765@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:44 PM 4/8/99 -0700, you wrote:
>
> Boy, talk about mixed emotions!
>
> I will sincerely miss dealing with Dick! My first kit was the OHR 100A
> and I dearly love that rig.
>
> Marshall is also a super guy. I bought the AADE cap meter kit from
> him. He was most kind and gracious about explaining its good points as
> well as (minor) shortcomings. I know OHR is falling into good hands.

Hear, hear! I, too , am sorry to see OHR sold, but glad to see that Marshall now has it. Dick's line of rigs was extremely well designed, for all from the beginner to the more adept builder. I'm sure Marshall will keep up the tradition of great service that Dick began.
72,73
Bob Hightower KI7MN

http://www.extremezone.com/~ki7mn

Date: Thu, 08 Apr 1999 21:47:52 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [37657] KL7-Land Springtime Weather on 8 April 1999
Message-ID: <370D9488.3ABDF990@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings from Alaska!

I have received several messages asking me if Spring has arrived yet in
Anchorage, Alaska. Well, KL7-Land is never predictable and I have added
pictures to my web page to show what it is like today (8 April 1999).
Please be aware these six photos may take a minute or two to download
but I do hope you enjoy them. Check out: http://www.qsl.net/al7fs/

Jim
--
73, Jim Larsen, AL7FS
http://www.qsl.net/al7fs/
mailto:al7fs@qsl.net
Anchorage, Alaska

Date: Fri, 9 Apr 1999 02:28:31 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Kelly Ellison <kelman@dialnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37658] Re: Contest logger info sought
Message-ID: <Pine.3.89.9904090207.B6724-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 8 Apr 1999, Kelly Ellison wrote:
>
> I know this has been covered before, but how can I get CT logger or EQF
> logger to work with QRPARCI
I don't know about LOG-EQF, but CT will NOT support the QRPARCI format.
On the other hand, NA handles it perfectly. I've been using it for all
QRP contests I've been in.
>
> or other QRP contest formats? Is there a way to customize fields? Getting
> ready for both QRP Activities this month.
NA allows customizing fields through it's "Template Editor". CT does not.

       73,
                    ,'' '',
     Bob Patten, N4BP   (0 0)   Plantation, FL
_____________________________oOOo-(_)-oOO_____________________________________

                         E-Mail: n4bp@bc.seflin.org
               Web Page: http://wg104a.wh.uni-stuttgart.de/~n4bp
                      Brass Pounder BBS: (954) 472-7715

Date: Fri, 9 Apr 1999 02:36:04 EDT
From: DYARNES@aol.com
To: qrp-l@lehigh.edu
Subject: [37659] Radio Shack Switching Power Supply
Message-ID: <f59f9e8b.243ef9d4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

Well, I finally got a peek at the RS 3 amp switching power supply. It is in their current catalog, but I had never seen it in any of the stores until today. It's small, it's light weight (I mean really light weight), it has both a bare wire connector set and a cigarette lighter plug connector, and it's $49.95. No meter.

Not long ago I purchased a Samlex switching supply (20 amp +) at one of the Phoenix hamfests (Tech America booth) and liked it. Seems to run my 100 watter rigs (yes, I'm washing my mouth out with soap) very nicely, no noticeable RFI or other problems, so I guess I am becoming a cautious optimist about these devices.

Anyway, I examined the little RS job for so long I think the clerk was about to call the cops! Now I have to be honest. I don't always have blind confidence in RS stuff. But, finally I decided to take a flyer, so I bought it. After all, I can always take it back.

Actually, I was thinking more about my NC20 and Sierra when I bought it, but when I got home I couldn't resist hooking it up to my K2. Guess what! It seems to do just fine. My K2 says 13.7 V. and 200 ma. receive, and key down it seems to handle the load with no problem. At 8 watts (per the K2's power setting) the voltage drops down to about 13 V. and 2.25 amps. On one of my beefier regular supplies the voltage drop is that much or more. On the RS 3 amp regular supply they just had on sale last month and which was discussed here on QRP-L (yeah I have one of those too, but I've had it for a while) The voltage drop is almost exactly the same as on the switching unit. In any event, it seems to be very stable, and when I listen to my own signal I don't hear anything that suggests the supply is inadequate (like a chirp, etc.).

So what did I prove? Probably not much, but it sure seems like this little unit may be a qualifier. Has anyone else tried one? If so, what do you think?

72 de Dave W7AQK

Date: Fri, 9 Apr 1999 11:15:18 +0200
From: "David Reid" <dareid@Synopsys.COM>
To: RVizcarra@filss.com
Cc: qrp-l@lehigh.edu
Subject: [37660] Re: Antenna Recommendations
Message-ID: <199904090915.LAA06421@goofy.gr05.synopsys.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Rich,

see my website for an easy to make vertical for 40/80M
it's only 25 feet high and works DX really well...

http://ourworld.compuserve.com/homepages/drcp/homepage.htm
and follow the link to 'Articles'
Full data and photos are there...

enjoy,

73/72 de Dave PA3Home Brew Beams
dit dit

Date sent: Thu, 8 Apr 1999 15:19:32 -0700
Send reply to: RVizcarra@filss.com
From: Rich Vizcarra <RVizcarra@filss.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: Antenna Recommendations
Originally to: "'QRP-L'" <qrp-l@Lehigh.EDU>

> QRP-Lers -
> I currently have a 40 Meter inverted V for CW operation (qrp of course),
> but have the opportunity to improve my antenna situation (budget of
> $300). Should I buy a commercially made multi-band antenna or build my
> own? I am mainly interested in the 80/40/20 Meter bands, but others may
> be useful. I live in a typical suburban style neigborhood with no
> antenna restrictions. I am not a contester, but would enjoy working some
> DX. What does the group recommend? Should I buy/make a vertical or a
> beam? Trapped antenna or not? All of my previous antennas have been
> made with wire, so I am relying on the experience of the group to point
> me in the right direction. Thanks in advance for any help.
>
> Rich K6TM

> Santa Clara, Ca
>
>

Date: Fri, 9 Apr 1999 03:03:51 -0700
From: "Radman" <radman@best.com>
To: <DYARNES@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37661] Re: Radio Shack Switching Power Supply
Message-ID: <199904091001.DAA19718@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Dave,

Nice report on that new RS switcher. That's an exciting
little product that should work well with the K2, etc.
Great for "travel radios." Sounds like the new, small
form-factor switchers -- designed for communications
radios -- are for real.

You've sold me :-)

72 - Conrad -- NN6CW

****

Hi All,

Well, I finally got a peek at the RS 3 amp switching power
supply.

///snip///

72 de Dave W7AQK

Date: Fri, 09 Apr 1999 07:39:02 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>

Subject: [37662] Re: keying problems
Message-ID: <370DA086.6B8643ED@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This is one for the old timers.
I will probably find the answer already posted and in clearer language
down my list of email but here we go.

Some rigs have positive voltage on the key line and some negative.
If you are keying with mechanical contacts, i.e. a hand key or a keyer
with a relay, it doesn't matter.
Using a transistor for the switch you need the transistor to match the
polarity of the rig.

Many keyers have two outputs to solve this problem, just pick the one that
works.
Example, my MJF Econo keyer II has outputs labled 'direct' and 'grid', the
direct output correctly keys my TS-130s. The grid output will lock the
TS-130S key down.

Keyers that have only one output will usually have instructions on how to
either change the wires inside or add a transistor to work 'the other
way'.

The other possiblility is an open or short in the keyer or wiring.

michael N6CHV

jeffj@scott.net wrote:
>
> On Thu, 08 Apr 1999 13:09:02 -0600, tom whalen <wb5qyt@eFortress.com> wrote:
>
> > My keyer does not like to key some of my rigs.
>
> When you try to use it does it just 'key down' the rig the moment you plug
> it in? If this is the case and you find the answer, please share it with us!
>
> 73 Jeff
>
>   *--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------*
> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
>   *---*

Date: Fri, 9 Apr 1999 14:14:41 +0200
From: "David Reid" <dareid@Synopsys.COM>
To: qrp-l@lehigh.edu
Subject: [37663] Re: keying problems
Message-ID: <199904091214.OAA12944@goofy.gr05.synopsys.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Could it be the old 'mono/stereo plug problem???
(got a mono plug on the keyer and a stereo socket on the rig???)

Dave
PA3 Home Brew Beams
> >
> > > My keyer does not like to key some of my rigs.
> >
> > When you try to use it does it just 'key down' the rig the moment you plug
> > it in? If this is the case and you find the answer, please share it with us!

D.Reid PA3HBB / G0BZF
Leenderweg 46
5591 JE Heeze
The Netherlands
tel: +31 40 2260388

Date: Fri, 9 Apr 1999 08:30:33 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: RVizcarra@Filss.com, qrp-l@Lehigh.EDU
Subject: [37664] Re: Antenna Recommendations
Message-ID: <19990409.083328.-30527.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Rich -K6TM- wrote...

>>have the opportunity to improve my antenna situation<<

If you have room for a dipole,

I urge you to look at the G5RV.

>>mainly interested in the 80/40/20<<

The 102 foot version is 80 thru 10 (a tuner is required on some bands).

>>Should I buy/make<<

Either, (my is guess about $50 or less) it can be fed with "almost" any length of coax from the shack to a "34 foot, 400 ohm, ladder line matching section" (300 ohm TV line works too).

>>relying on the experience<<

I use a balun to improve efficiency (RE: The ARRL ANTENNA Book, "Broadband Toroidal Baluns", 1994, pg. 25-16, figure B, 4R BALANCED). It is located at the input of the matching section (between the unbalanced coax and the balanced matching section). Many will point out "The balun is not a requirement, the G5RV will work without one", that is true the G5RV will work without a balun, however a balun will change the radiation pattern and improve fed system efficiency.

>>but would enjoy working some DX. <<

MD to AZ (2000 miles) with 0.5 watts,
MD to Europe and Australia with 5 watts,
only to mention few (and brag a little on PSK-31)....

>>point me in the right direction<<

A truly great web page for more FYI on G5RV type antenna and matching systems at... >>http://www.geocities.com/CapeCanaveral/8476/<<

John
N3AAZ
FM19xa
.

Date: Sat, 10 Apr 1999 06:03:23 -0400
From: Andy C Meng <andymeng@juno.com>

To: wong_th@eng.printronix.com
Cc: qrp-l@Lehigh.EDU
Subject: [37665] Re: Tick Won't Key 49'ner
Message-ID: <19990410.083559.4582.1.andymeng@juno.com>

This sounds like my problem also. I suspect the problem is
in the keyer, that's where it is in mine. I still haven't figured it out.
Let me know what you get.

73 de KC8KFI Andy
QRP-L #1813 Cincinnati, OH   Total HF CW QRP contacts: 24
e-mail: andymeng@juno.com   URL: http://www.qsl.net/kc8kfi/
SW-40+ running 2W into a Dipole at 24ft. and straight key
HTX-202, KPC-3, and Garmin 45

Date: Fri, 9 Apr 1999 07:40:31 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@lehigh.edu
Subject: [37666] norcal 40a
Message-ID: <13197-370DF53F-8798@mailtod-142.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

for sale mint norcal 40a
$105 plus s/h 5, qsl k8len/pat

Date: Sat, 10 Apr 1999 08:52:24 -0400
From: Andy C Meng <andymeng@juno.com>
To: jeffj@scott.net
Cc: qrp-l@Lehigh.EDU
Subject: [37667] Re: Keyer Woes :(
Message-ID: <19990410.085226.4582.2.andymeng@juno.com>

Jeff, this sounds like the problem I am having with the SW40+. Almost exact symptoms.
Mine is the same except I also get LOUD sidetone whenever I plug in the keyer. The problem
is probably more with the keyer than with the rig, although in your case it almost sounds like
the rig, since it works with another one.

I even hooked a relay up to the keyer and it doesn't key that right. If you want I will send you the posts
I got about the problem. We really need to exchange ideas here, I need that keyer to work! hihi Let
me know if you got anything different from me. I am also willing to try anything.

73 de KC8KFI Andy
QRP-L #1813 Cincinnati, OH   Total HF CW QRP contacts: 24
e-mail: andymeng@juno.com   URL: http://www.qsl.net/kc8kfi/
SW-40+ running 2W into a Dipole at 24ft. and straight key
HTX-202, KPC-3, and Garmin 45

Date: Fri, 09 Apr 1999 09:09:51 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrpl <qrp-l@Lehigh.EDU>
Subject: [37668] Pulse Radio
Message-ID: <370DFC1F.F950D082@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Check out this article from USA Today
http://www.usatoday.com/money/bcovfri.htm
Another amateur radio operator makes a "splash" in technology.
This is very cool stuff. If you want more detailed info look up his patents.
--
72 de KU4QO
Mike Maiorana
Palm Harbor, FL

"Has anyone seen my youthful exuberance? I must have misplaced it."

Date: Fri, 09 Apr 1999 07:12:39 -0600
From: Rod Cerkoney <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37669] CW Prosigns, <CT> & <VA>???
Message-ID: <4.1.19990409065450.00972f10@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks:

This comes from a friend that I helping. I gave them a copy of Super Morse.
In Section 9 of the "Learn" module, Prosigns are introduced and <CT> and
<VA> are output at the very end. They have the same "dit dah" pattern as
<KA> and <SK> respectively. Nowhere else in the program or documentation
can I find reference to <CT> or <VA>, nor can I find any definition for
<CT> or <VA> in any book about Morse that I have.

The problem is that SM uses <CT> and <VA> when it generates code; But
demands a certain keyboard character different than <KA> or <SK>. Since
Prosign are sent as one character: What do you type when you hear on of
these? Adding to the frustration is that there is no way in the options
menu to disable <CT> and <VA>, like other chars can be disabled.

Ideas?

72/3 N0RC
Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Fri, 9 Apr 1999 23:28:24 +1000
From: "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
To: <mikemo@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37670] Re: Pulse Radio
Message-ID: <00d901be828c$d8f63900$6a18c018@vic.bigpond.net.au>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

> Check out this article from USA Today
> http://www.usatoday.com/money/bcovfri.htm
> Another amateur radio operator makes a "splash" in technology.
> This is very cool stuff. If you want more detailed info look up his
> patents.

Bah! It's "just" Spread Spectrum.......

The thing is that SS only really works (eg has enough processing gain) if the available spectrum is essentially infinite.......

The trouble is that the existing licensing rules force SS into relatively small bands.....

Except for the hush hush military aplications, that is....

So people and companies are trying to shatter the existing license conditions and allow "DC to daylight".

It's not new technolgy, just new politics........and a great dollop of marketing hype......

Coments anyone ?

73's.....................Zim VK3GJZ

Date: Fri, 9 Apr 1999 08:51:37 -0500
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-l@lehigh.edu>
Subject: [37671] RE: Pulse Radio
Message-ID: <000001be8290$18cde200$8dc9ce80@missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Graeme,

Actually, seems like this isn't so much spread spectrum as it is a wideband signal. It would appear that while spread spectrum uses frequency hopping

to accomplish what it does, this technology is essentially using the whole darned band at once?

73,
Nathan
KB0NNV

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Graeme Zimmer
Sent: Friday, April 09, 1999 8:28 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Pulse Radio

> Check out this article from USA Today
> http://www.usatoday.com/money/bcovfri.htm
> Another amateur radio operator makes a "splash" in technology.
> This is very cool stuff. If you want more detailed info look up his
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Coments anyone ?

73's.....................Zim VK3GJZ

Date: Fri, 9 Apr 1999 15:52:46 +0200
From: "David Reid" <dareid@Synopsys.COM>

To: rwc@frii.com
Cc: qrp-l@lehigh.edu
Subject: [37672] Re: CW Prosigns, <CT> & <VA>???
Message-ID: <199904091352.PAA17332@goofy.gr05.synopsys.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I always think of CT as "Commence Transmission"
and I think of SK as "Stop Keying"
 but whether it is CT or KA (or VA and SK) doesn't matter, as you
say they both sound the same...
you neem to experiment with the punctuation keys - but I suspect
that you do not need to key these characters (never seen a morse
prog where you had to key the prosigns.

Good luck

Dave
PA3HBB / G0BZF

Date sent: Fri, 09 Apr 1999 07:12:39 -0600
Send reply to: rwc@frii.com
From: Rod Cerkoney <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: CW Prosigns, <CT> & <VA>???
Originally to: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Folks:
>
> This comes from a friend that I helping. I gave them a copy of Super Morse.
> In Section 9 of the "Learn" module, Prosigns are introduced and <CT> and
> <VA> are output at the very end. They have the same "dit dah" pattern as
> <KA> and <SK> respectively. Nowhere else in the program or documentation
> can I find reference to <CT> or <VA>, nor can I find any definition for
> <CT> or <VA> in any book about Morse that I have.
>
> The problem is that SM uses <CT> and <VA> when it generates code; But
> demands a certain keyboard character different than <KA> or <SK>. Since
> Prosign are sent as one character: What do you type when you hear on of
> these? Adding to the frustration is that there is no way in the options
> menu to disable <CT> and <VA>, like other chars can be disabled.
>
> Ideas?
>
>
> ---

> 72/3 N0RC
> Rod Cerkoney,   QRP-L #1764.
> Fort Collins, CO
> da di dah
>

Date: Fri, 9 Apr 1999 08:56:38 -0500
From: Bcieslak@ra.rockwell.com
To: qrp-l@lehigh.edu
Subject: [37673] postpone
Message-ID: <8625674E.004CA0C2.00@ramilwsmtp01.ra.rockwell.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

postpone QRP-L

Date: Fri, 9 Apr 1999 07:54:52 -0700 (PDT)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [37674] KEY GIVEAWAY
Message-ID: <19990409145453.11412.rocketmail@web206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Good morning y'all - -

This is a pretty embarrasing post for me. Close to a year ago, I offered a key here on the list to be given away to the first person sending me e-mail who was a beginner and really needed a key to get on the air. Well, I got a nice response, but for reasons no longer known (none of them good, I'm sure), totally forgot to ship the key. Well, I'm in the middle of a total rebuild and clean-up of my shack, and a couple months ago I came across the e-mail, and realized that I apparently hadn't shipped the key. Unfortunately, I couldn't find it. Now I've found the key, but can't find the e-mail! Go figure!!

Anyway, if you were the person I promised this key to, please drop me a note and I'll gladly ship it this time, with my humblest appologies.

Oh, well.

Embarassingly yours,

Brad, W5CGH

===
Brad Bradfield, PE W5CGH Systems Engineer
(ex WB0CGH) Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377 SMIRK #4906
ARS #72 Austin QRP Club #e
_____
Do You Yahoo!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Fri, 09 Apr 1999 10:56:50 -0400
From: "Kenneth W. Evans" <w4du@bellsouth.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [37675] FDIM
Message-ID: <370E1532.657F2314@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,
We have updated our web page (qrparci.org) to include the people that have registered for the Thursday Seminar at FDIM. If you did not send an SASE for confirmation, you can confirm by checking the list.

All the info on FDIM can be found there as well. There is still time to register - hope to cu there.
72/3,
Ken
W4DU

Date: Fri, 09 Apr 1999 11:00:59 -0400
From: Bill Nicolson <n2wf@erols.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37676] Forsale FT-1000MP
Message-ID: <370E162B.1A3580F4@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi

I have forsale a Yaesu FT1000MP with:
(2) 2.0khz ssb optional filters
(2) 250hz cw optional filters
(1) 500hz Collins for the 455khz IF (the other 500hz comes stock)
(1) 500hz Collins for the 2nd receiver

This is all optional filters possible!

(1) TCXO-6 Deluxe Hi-stibility TCXO unit .5ppm

Operators manual, Hand Mic, and homebrew remote contest keyer interface
Price is $2500 shipped CUS this is over $3800 new and rig is a 10
73 de Bill N2WF
--
     Bill Nicolson   N2WF   Email: n2wf@erols.com
    QTH: 38 Tanglewood Lane   Colonia, NJ 07067-3036
  NJQRP#68 FISTS#2016 NorCal#2098 QRP-L#955 ARS#332

Date: Fri, 09 Apr 1999 10:05:35 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: MichaelN@cycat.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37677] Re: keying problems
Message-ID: <370E173F.8FDAEB54@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There is one other aspect of keyers that sometimes causes problems:

Some rigs must have their keying line brought very nearly to ground
potential, or within a small fraction of a volt, in order to key. This is
true whether the keying line is at a positive voltage when unkeyed and is
brought to ground to key the rig or in the opposite case in which the
keying line is at a negative voltage when unkeyed. This latter case was

widely used with tube rigs that used grid-block keying, in which a keyer tube was used as a switch with a large negative grid bias applied to cut if off in the unkeyed state. Grounding the key line brought the negative bias to ground, unblocked the keyer tube and keyed the rig.

Modern solid-state rigs almost always use keying lines that have to be brought down or up to near ground. Some keyers have output switches, usually transistors or other solid-state switches, which can pull the keying line down or up to near ground, but not necessarily all the way. This is the source of the problem.

Measure the keyline voltage under "keydown" conditions and see where it resides relative to ground. If your transmitter isn't being keyed, short the keyline to ground with a cliplead and see if it keys then. If so, you will have to improve the output switching capability of your keyer. The usual fix is to use the keyer to turn on a relay whose contacts can then pull the keyline all the way to ground. If suitable transistor can be found, it can be used in lieu of a noisy relay.

All this is probably old hat to most, but perhaps it is a little review if nothing else.

72/73, George
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Date: Fri, 09 Apr 1999 10:07:26 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: gzimmer@vic.bigpond.net.au
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37678] Re: Pulse Radio
Message-ID: <370E17AE.7F41773A@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Take a look at the latest Electronics Now magazine. There is an interesting article on "pulse radio." It is part of Don Lancaster's column.

72/73, George
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Date: Fri, 9 Apr 1999 11:02:51 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>
To: Brad Bradfield <b_bradfield@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37679] Re: KEY GIVEAWAY
Message-ID:
<Pine.LNX.4.04.9904091102210.8910-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If it was a mercury key....I am pretty sure it was me :-))

73,

Jim n2go

Date: Fri, 9 Apr 1999 10:10:58 -0500
From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [37680] 3B9R.......at 4.5 watts!!!!!
Message-ID: <19990409.101059.6734.0.ab5uacw@juno.com>

I don't normally crow, but dang, I got 'em QRP! You don't ever know,
till you try.
My buddy Bill, N5LU, said I couldn't do it......so I had to try. They had
the best signal, of the week, last night on 20m. Sent old Bill walking
away shaking his head, again ;-) Don't EVER be afraid to try!

Good luck,

Clif

Clifton Sikes AB5UA QRP-L #478
Earlsboro, Ok.
ab5uacw@juno.com

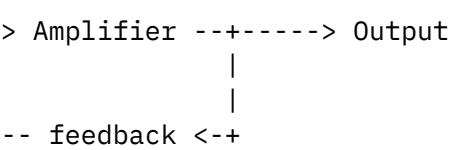
Date: Fri, 09 Apr 99 15:44:21 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [37681] Elmer205: 990409 Amplifiers Part 1
Message-ID: <E10VceL-0001wn-00@smtp.ticnet.com>

Gang,

For this lesson you will need the following materials:

- ARRL HB 1995 or later edition
- The Solid State Design for Radio Amateurs by
  Wes Hayward, W7ZOI (SSD)
- The Homebrewers Data Handbook by Paul Harden
- WinSpice3 software for the PC

I got to thinking which is both a rare thing and a dangerous thing. In order
for an oscillator to function you need an amplifier and you need feedback.



But then I got to thinking that there just might be a large number of radio
amateurs that haven't really gotten to study an amplifier in detail, so let's
do that. This will take some time and energy on your part, but I think you will
find it well worth your time to work through this.

Let's start off by analyzing Wes Hayward's circuit in his secion on designing
untuned buffer amplifiers starting on page 19 of the SSD book. Look at Figure 7
on page 21. Let's neglect the input and output coupling caps for RF in and RF

out. Label the nodes in the following manner:

  Node 1: +12V terminal or Vcc supply voltage
  Node 2: Base of transistor
  Node 3: Collector of transistor
  Node 4: Emitter of transistor
  Node 0: Ground

  R1 - 5K resistor
  R2 - 10K resistor
  R3 - 500 ohm resistor from emitter to ground
  R4 - 500 ohm resistor to +12V

  C1 - 0.01uF cap from RF in to base of Q1, PNP transistor
  C2 - 0.01uF cap from emitter to ground
  C3 - 0.01uF cap from collector to RF out

I'll put a .jpg of this circuit on the web page so that you can check it against
what you have drawn on paper for this study.

In order to analyze the ciruit you have to first analyze the DC circuit, then
come back and analyze the AC behaviour of the circuit separately. We'll do just that.

First of all an amplifier is a circuit that amplifies. There are three types
of gain or amplification: current, voltage, and power gain. The circuit above is a common-emitter amplifier and we see a lot of them because they amplify all three. Common collector amps amplify current and voltage but do not amplify voltage. Common base amplifiers amplify voltage and power but do not amplify current.

For common emitter amplifiers, CE amps:

- input and output currents are in phase
- input and output voltages are 180 degrees out of phase

Resistors R1 and R2 set the base voltage, thus setting the DC operating point
for the transistor. See Figure 9 on page 11 of W7ZOI's book. For the above circuit, V(2) is the voltage on the base and it will be 4V. Assuming a 0.7V drop across the base-emitter diode junction gives us 3.3V a V(4) or 3.3V across R3. You'll see a lot of EE authors use VB for V(2) and VE for V(4) so don't get confused by the notation. In fact, let me use the formulas that

I used and you can use them for other values later on.

V(2) = VB = (R1/(R1+R2))*Vcc where Vcc is the supply voltage

V(4) = VE = VB - 0.7V (we are using Si transistors)

I(E) = I_E ~= VE/R3 where I(E) is emitter current
and ~= means approximately equal to

In Wes's book he uses a factor 25mV/I_E or 26mV/I_E in several places and another formula that involves the Beta of the transistor. Let me show you how to derive the 24mV component of the formula. This involves some calculus so don't panic if you don't know this. Just put it aside for later when you want to impress your relatives and the gang at the club meetings.

The current through a diode is related by a formula called Schockley's Equation (one of the three Nobel Prize winners for the invention of the transistor and the rest is history) and the formula has the form of

I_T = I_S (exp((Vq)/(kT) - 1) where the _ denotes a subscript

I_T being the total DC current
I_S the reverse DC saturation current through the diode (you see this parameter in the diode models in SPICE)
V the voltage across the depletion layer
q the charge on an electron 1.602E-19 coulomb
k Boltzmann's constant 1.38E-23 J/degreeK
T temperature of the diode in K = C + 273

If you work out q/(kT) at 21degreesC you'll get 40 per Volt as the value. In physics work I'd note this as 40[1/V] to denote at value of 40 and the units of measurement as one over volt. In fact I got out the trusty TI-30 SLR and got the following table of values calculated:

T[degC]	q/(kT)	(kT)/q
20	39.6	25.2mV
21	39.5	25.3mV
25	38.9	25.6mV
27	38.7	25.8mV

30	38.3	26.0mV

Take Schockley's Equation and derive dI/dV = 40*I_S*exp(40*V) and plugging back into the original equation you can get

I_S*exp(40*V) = I_T + I_S and dI/dV = 40(I_T+I_S).

And from this we get dV/dI = 25mV/(I_T+I_S) = 25mV/I_E. There are some steps that you can fill in and if need be I'll come back on the web page with more detail, but there is the results you see in chapter 1 of SSD and in some places a value of 26mV and that will work for some temperatures, so don't fret over the minor changes in values. You can see from my table above that the value is dependent upon the junction temperature which some of you are going to run hot anyway. :-)

The AC emitter resistance of the transistor is labelel as r_e (small case r with subscript lower case e to denote AC property) can be calculated from what we know by

r_e = 25mV/I_E.

For the above circuit, I_E = VE/R3 = 3.3/500 = 6.6mA and this gives us r_e as 3.8 ohms. A low value and remember this. This is the AC emitter resistance for this circuit.

The AC voltage gain, Av or A_v, of the CE amplifier can be shown to be equal to R4/r_e and in this amplifier would give you a gain of 131.6 and we'll use SPICE to check this out.

The current gain of the amplifier is equal to h_fe the ac beta of the transistor. The power gain is the product of the voltage gain and the current gain.

In order to fully analyze the ac characteristics of the amplifier you have to redraw the circuit. Short the voltage to ground and short all the caps in the circuit. You'll find now that R1 and R2 are in parallel to ground and help

determine the input impedance of the amplifier. R4 will be to ground (the DC
supply is assumed to have low impedance for AC) and will be the load on the amp
until we connect something to the output. Ever wonder why the gain of an amp
goes down when you connect it to something? Well the gain was R4/r_e with no
load and the moment you put a load on the output, say R_L, then R_L and R4 are
in parallel and the ratio to calculate the final gain goes down and the gain
goes down. The more load the less the amplification factor. It all works out.
A lot of hams have wondered why an individual circuit gets one result and the
they put it into a signal chain and the numbers don't come out as expected.
This is one of the many reasons for this.

You can show Z_in of the amp = R1 || R2 || h_fe*r_e where the notation shows
that R1, R2, and the third term are three resistances in parallel. Thus a CE
amp has a relatively low impedance on the input and the output impedance is
relatively high as it works best with a high impedance load.

Now if you look up the characteristics of a transistor you will see something
like a min and max value for the h_fe of the transistor. What is one to do ?
Well take the value of the square root of the product, i.e. sqrt(min*max) and
use it for the calculations. It'll be close enough.

OK, let's first look at how we can use SPICE to see if we know what we are
doing. First start with the following file.

```
*  Simple Amplifier using a 2N2222A

VCC 1 0 12

R1 1 2 10K
R2 2 0 5K
R3 1 3 500
R4 4 0 500

C2 4 0 0.01U
```

```
Q1 3 2 4 2N2222A

.model 2N2222A NPN(Is=14.34f Xti=3 Eg=1.11 Vaf=74.03 Bf=255.9 Ne=1.307
+                 Ise=14.34f Ikf=.2847 Xtb=1.5 Br=6.092 Nc=2 Isc=0 Ikr=0 Rc=1
+                 Cjc=7.306p Mjc=.3416 Vjc=.75 Fc=.5 Cje=22.01p Mje=.377 Vje=
.75
+                 Tr=46.91n Tf=411.1p Itf=.6 Vtf=1.7 Xtf=3 Rb=10)

.end
```

Copy and paste the above SPICE source file onto your system and into the directory where you are keeping all your SPICE information. Bring up SPICE with this file as input. In WinSpice3 you will get a prompt that looks something like

```
Spice 1 ->
```

type in 'op' without the quotes so that your screen now looks like

```
Spice 1 -> op
```

and hit the 'Enter' key or return key. What SPICE will now do is simulate the input circuit and calculate all the DC operating points. To see the values now type in 'print all'. This looks like

```
Spice 1 -> op
Spice 2 -> print all
v(1) = 1.200000e+01
v(2) = 3.883276e+00
v(3) = 8.827054e+00
v(4) = 3.190454e+00
q1#base = 3.882926e+00
q1#collector = 8.820708e+00
vcc#branch = -7.15756e-03
Spice 3 ->
```

The V(x) values are the DC voltages at each of the nodes. Note that v(2) is very close to the 4.0V value that we calculated above. The reason that is not
exactly 4.0V is due to effective parallel resistances of the transistor in parallel with R1 and R2 which is very difficult for us to do at this time. q1#base and q1#collector are the DC voltages at the base and collector of the transistor. vcc#branch is the current flowing from the Vcc source. The negative value due to the fact that the current is flowing out of the Vcc node.

The value being 7.16mA and thus the power consumption of this circuit is 85.
9mW.

Remember there was another amplifier circuit that I did previously and
illustrated how to sweep a circuit to get the frequency response:

```
*  Single Stage IF Amplifier using 2N2222A

VCC 1 0 12
VAC 5 0 AC 1

R1 1 3 120K
R2 3 0 22K
R3 1 2 5.6K
R4 4 0 1.5K
RL 6 0 5.6K

C1 5 3 5U
C2 4 0 0.047U
C3 2 6 5U

Q1 2 3 4 2N2222A

.AC DEC 25 1 1E9
.PLOT VAC V(6)

.model 2N2222A NPN(Is=14.34f Xti=3 Eg=1.11 Vaf=74.03 Bf=255.9 Ne=1.307
+                Ise=14.34f Ikf=.2847 Xtb=1.5 Br=6.092 Nc=2 Isc=0 Ikr=0 Rc=1
+                Cjc=7.306p Mjc=.3416 Vjc=.75 Fc=.5 Cje=22.01p Mje=.377 Vje=.
75
+                Tr=46.91n Tf=411.1p Itf=.6 Vtf=1.7 Xtf=3 Rb=10)

.end
```

When you run this circuit you'll get the following DC operating values:

```
Spice 4 -> print all
v(1) = 1.200000e+01
v(2) = 7.800072e+00
v(3) = 1.768701e+00
v(4) = 1.132279e+00
v(5) = 0.000000e+00
v(6) = 0.000000e+00
q1#base = 1.768652e+00
q1#collector = 7.799322e+00
vac#branch = 0.000000e+00
```

```
vcc#branch = -8.35248e-04
Spice 5 ->
```

Now be careful as this circuit has the nodes numbered differently. But now note the power consumption went down significantly as the Vcc current is now 0.835mA and also note the bias value on the base of the transistor is now 1.768V and this changes a lot of stuff all at once. In fact what I did may not be all that good as we'll have to come back as soon as you get good at what were are trying to do here and analyze it in more detail. Right now we are demonstarting how SPICE and desk calculator results are good, but remember that SPICE is going to give you better overall results because it does all the dependencies of the circuit and it does them accurately.

Take the following file to generate the characteristic curves of the 2N2222A and run it and print off the graphical results.

```
*
*  2N2222A characteristics
*
IB  0 1 DC 1MA
VCE 2 0 DC 12V
Q1  2 1 4 2N2222A
VT  4 0 DC 0

.PRINT DC I(VT)

.DC VCE 0 10V 0.2V IB 0 1MA 200UA

*  model parameters for a 2N2222A transistor

.model 2N2222A NPN(Is=14.34f Xti=3 Eg=1.11 Vaf=74.03
+      Bf=255.9 Ne=1.307 Ise=14.34f Ikf=.2847 Xtb=1.5
+      Br=6.092 Nc=2 Isc=0 Ikr=0 Rc=1 Cjc=7.306p
+      Mjc=.3416 Vjc=.75 Fc=.5 Cje=22.01p Mje=.377
+      Vje=.75 Tr=46.91n Tf=411.1p Itf=.6 Vtf=1.7 Xtf=3
+      Rb=10)

.END
```

I'm not even half way through this discussion, so let me stop here and let you work on the material. Look up the specs on the 2N2222A in Paul Harden's book. Go out on the web and see if you can find some URLs that have .pdf files on manufacturers specs and compare them or if you have the old Motorola Small-Signal Transistor Data book look up the 2N2222A and the 2N3903/2N3904 and 2N4124 NPN

transistors that others use. TenTec likes the 2N4124 and used a number of them in the TenTec 1340 XCVR. Know why? Left as an exercise for the student.....

Also read and research amplifiers in the ARRL HB and W7ZOI's book. I am not going to sit here and list every page..... Read them all. :-) ;-)

Today is Friday the 9th of April 1999 so let me give you until Tuesday of next week and then I'll post the next half of this installment. You can see why this takes so long. If it was easy everyone would be doing it.

OK, Q&A session is open if you run into troubles with this.

I'll correct typos later and by noon CDT I'll have all of this material on the web page with schematics where appropriate.

FYI es enjoy

See 981125 981210 990101 990109 archives for some of the previous material on SPICE if you missed it and just got here.

--
Chuck Adams K5FO CP-60 adams@ticnet.com
http://www.ticnet.com/k5fo

Date: Fri, 09 Apr 1999 11:43:21 -0400
From: Buck Switzer <n8cqa@tir.com>
To: qrp-l@Lehigh.edu
Subject: [37682] Contest logger info sought
Message-ID: <370E2019.409AC01E@tir.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang - The NA program comes with QRP-ARCI contest/sprints setup already in place. I have a modified version for the MI-QRP contests if anyone is interested.

73 Buck N8CQA

Date: Fri, 9 Apr 1999 11:53:49 EDT
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [37683] Software
Message-ID: <573b159f.243f7c8d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

 Hi all,
  Getting my computer up to speed for logging and propagation. Can anyone recommend a good propagation program and one for logging? I hope this is not to far off topic. Thanks.

73s
Steve
N4TKP
FISTS 4922
QRP-L #1763
G-QRP 10248

Date: Fri, 9 Apr 1999 10:08:45 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [37684] O'Scope Help
Message-ID: <01BE8270.F5784300.bmug@gwl.com>

I may have the opportunity to purchase one of the following O'Scopes tomorrow at an auction. I need to know:

1 - What are they worth,
2 - should I purchase one (I will use it for QRP building).
3 - should I stay away from one or more
4 - What should I look for as far as condition
5 - anything else I should know

This is all the information I have on them

#1 - Type 564B
#2 - Type 547
#3 - HP 1980B

Thanks and like I said this is tomorrow (Saturday April 10th) morning so if you have the time I could use the information TODAY.

de KI0OT, Brad

Date: Fri, 9 Apr 1999 09:11:58 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [37685] Error message
Message-ID: <Pine.SOL.3.96.990409090955.7428A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Not QRP....

I often get a message on the screen saying that "this program has preformed an illegal operation and will be shut down".

It is never something I am using and is something called "TSADBOT".

Does anyone know what this is and what to do to stop it?

Thanks,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 9 Apr 1999 10:21:31 -0700
From: "Mike Silva" <mjsilva@jps.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37686] Yep, there are some tube users here
Message-ID: <008701be82ad$68ef0300$2c89a9ce@davidb-200.amotusa.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, the response to my question was pretty amazing. I heard from people who had used tubes, people who were using tubes, and people who wanted to use tubes. There were enough questions about how and where that I think I'm justified in talking just a bit about simple tube transmitters. Those interested in finding out more are invited over to the glowbugs list: <glowbugs@piobaire.mines.uidaho.edu> (which several people were kind enough to direct me to -- I've actually been on that list for quite a while, but thanks nonetheless).

There are two simple transmitter configurations that would probably be of the most interest to this group: the single tube transmitter and the two tube MOPA transmitter, both crystal controlled. The single tube transmitter was very popular and, using a pentode tube, is reasonably stable. The reason is that the oscillator portion of the circuit (cathode-control grid-screen grid) is not directly coupled to the antenna, but is only coupled to the plate and antenna via the electron stream inside the tube, so it's really a form of oscillator/amplifier. Among tubes commonly used were the 6L6, 6V6, 6AQ5, 50L6, and 6AG7.

The two tube configuration uses a separate oscillator and amplifier. These can be two separate tubes or a single combination tube. The coupling between stages can either be untuned (a choke) or tuned. Tuned coupling can supply higher drive to the amplifier, and lets you drive the PA with a multiple of the crystal, but also usually requires that the PA be neutralized, unlike untuned coupling. Separate tube lineups might be 6J5-6V6, 6C4-6AQ5, 6AU6-5763, 6AG7-6L6 (but see note below). Combo tubes (triode and pentode in one envelope) could be e.g. 6AW8, 6GW8, 6T9. The PA plate can be coupled to the antenna via either a pi network or a conventional tank circuit and link.

I've been -extremely- brief here, not explaining most terms and taking other shortcuts. My goal was simply to respond to those who wanted to know more. There are lots of web sites with circuits and tube pinouts(I can dig them up and post if there's interest). While I listed commonly used tubes, almost -any- tube can create RF, which makes it a lot easier to find useful tubes at cheap prices (I rarely pay more than 50 cents or a dollar). Possible power supply configurations are a traditional power transformer with built-in filament windings, back-to-back filament transformers, and an isolation transformer combined with a filament transformer. Obligatory warning: The voltages involved will run anywhere from 150 to 400 or more, depending on what you've rigged up. THESE CAN BE LETHAL! You need to use your head and be safety conscious.

I'll quit here (a few paragraphs too late for some, no doubt <g>). I don't

claim tubes are in any way better than semi's (which I also use), but they're so darned -romantic-! Also, at QRP levels you can get by with just about any cheap tube(s) and cheap power supply. BTW, I'm happy to carry on any discussions via email.

73,
Mike, KK6GM

Date: Fri, 9 Apr 1999 09:32:40 -0700
From: Mike Leister <leister@baghwan.nsc.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [37687] postpone
Message-ID: <01BE826B.EA1C7E40@chippewa.nsc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

postpone QRP-L

Date: Fri, 9 Apr 1999 09:38:12 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [37688] Morgan Stout, your email bounces
Message-ID: <01be82a7$5c16cce0$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Morgan, I have replied to both of your messages about the resistor kits. All of my emails to you bounce. So, I am answering here on the list. Yes I still have them available, and please send a check or money order made out to Doug Hendricks for $29 to:
.
Doug Hendricks
862 Frank Ave.
Dos Palos, CA 93620

.
The kits should ship around the 1st of May. 72, Doug, KI6DS

I apologize to the list, but I cannot find an email address for Morgan that
works. 72, Doug

Date: Fri, 09 Apr 1999 09:33:58 -0700
From: "Mont Pierce, KM6WT" <montp@synacom.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37689] Dummy Load Question
Message-ID: <370E2BF6.608259D@synacom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ok, here's a really dumb question:

When your testing a transmitter with a dummy load
do you need to ID? Do you even need to have a license?

73,
km6wt

Date: Fri, 09 Apr 1999 16:41:37 +0100
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>, DSRC Listserver
<dsrc@nerc2.nerc.com>
Subject: [37690] Morse Code Tutor / Morse Academy
Message-ID: <370E1FB1.20552A92@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Morse Academy is a good morse code tutor for those looking to improve
their speed and comprehension. I've use it on and off for the last
couple of years and it has been consistently upgraded and improved.

It has several ways to learn the code and is user configurable. You
can set the speeds, the characters and the way in which you learn. It
has a clock calibration feature, which is necessary, to make you and

your computer agree with the rest of the world.

There are many good morse code tutor programs out there, this is one
of them.

http://www.speroni.com/AH0A.html

David,n2zhy
Princeton,NJ

Date: Fri, 9 Apr 1999 10:39:58 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Ron Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37691] Re: Error message
Message-ID: <Pine.LNX.3.95.990409103153.2254B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Ron....hope all is well with you....I was getting these error
messages more and more frequently on the pentium machine at work plus many
strange things such as a message saying the printer can't print as the
printer was printing just fine and so on.....went through weeks of looking
for clues and writing everything down....the machine loved to give me
the "illegal" or "sick-bird" message....heh,heh...sorry; had to through
that one in.....in the end it looked like Windows '95 had to be
re-installed after backing everything up of course which I do weekly....
actually Windows '95 was taken off and '98 was installed and all is well
so far....most of the problems on this machine have to do with .dll files
that for some reason disappear or go wacko...in fact this week I have a
program which I use every day that swuddenly can't boot up from the
shortcut icon because it can't find an FMTOOLS.dll file....oh oh...here we
go again....I don't know about the TSABDOT....never had that one...so
start documenting things and try to put the "clues" together....good
luck...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
           A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
                               "QRP! How sweet it is!"

On Fri, 9 Apr 1999, Ron Stark wrote:

> Hi All,
>
> Not QRP....

>
> I often get a message on the screen saying that "this
> program has preformed an illegal operation and will
> be shut down".
>
> It is never something I am using and is something
> called "TSADBOT".
>
> Does anyone know what this is and what to do to stop
> it?
>
> Thanks,
>
> 73, Ron,   SOWP 5545M,
>
> ....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
> ....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
>

Date: Fri, 9 Apr 1999 11:57:07 -0500
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37692] Re: Dummy Load Question
Message-ID: <199904091657.LAA18606x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Fri, 09 Apr 1999 09:33:58 -0700, "Mont Pierce, KM6WT" <montp@synacom.com>
wrote:

> When your testing a transmitter with a dummy load
> do you need to ID? Do you even need to have a license?

My answer is "No" based on the fact that there are no radio waves entering
the air :)

73 Jeff W4JEF

    --------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------
    |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
    | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
    |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |

--

Date: Fri, 09 Apr 1999 10:02:13 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: n8cqa@tir.com
Cc: qrp-l@lehigh.edu
Subject: [37693] Re: Contest logger info sought
Message-ID: <199904091702.KAA15194@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:43 AM 4/9/99 -0400, you wrote:
>Gang - The NA program comes with QRP-ARCI contest/sprints setup already
>in place. I have a modified version for the MI-QRP contests if anyone is
>interested.
>

TR does also, for those that have it.
72,73
Bob Hightower KI7MN

http://www.extremezone.com/~ki7mn

Date: Fri, 9 Apr 1999 12:01:08 -0500 (GMT+5)
From: wd9eyb@butler.indiana.net
To: qrp-l@lehigh.edu (QRP List), wvara@butler.indiana.net ()
Subject: [37694] Resistive Antenna Bridge Simulation
Message-ID: <199904091701.MAA26271@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have simulated a resistive bridge that's used for impedance matching.
The circuit is almost the one from the ARRL antenna book.
There are 2 PDF files on my web site that give the schematic and a plot
of the data from the simulation.
http://www.qrp.com/~wd9eyb/ResBridgeSch.pdf
http://www.qrp.com/~wd9eyb/ResBridgePlot.pdf

The schematic has the circuit repeated 5 times, once for each of the
following cases, 50 Ohm load, short, open, 25 Ohm load, and 100 Ohm load.

In the 50 Ohm load case the V1 voltage source and resistor RS represent
a QRP tranmitter on 7.040 kHz. The voltage source amplitude is 10 Volts.
Resistors R1, R2, and R3 are three legs of the bridge. Resistor R4
is the load and the fourth leg of the bridge. The other copies of the
bridge schematic are the same except for component designators and the
load resistor value.

R1 and R2 form a voltage divider. R3 and R4 also form a voltage
divider. If the load, R4, is such that the divider ratios are equal,
there is no voltage difference between the two mid points of the bridge.
This is the matched condition. If R4 is such that the divider ratios
aren't equal, there is a voltage difference between the two mid points.
This is a mismatch.

Diode D1 and capacitor C1 detects the voltage difference between the two
mid points of the bridge. If the bridge is matched, the DC voltage across
C1 is zero. If there is a mismatch, there is a DC voltage across C1.

Measuring the voltage at the C1/D1 node with respect to ground will
include the AC voltage on R2. R8 and C2 are a low pass filter which
removes the AC component and allows the detected DC voltage to be
measured on C2, the output capacitor, with respect to ground.

The voltage on the output capacitor is plotted.
There are 5 traces in the data plot. The top trace is the open
case. Next to top is the shorted case. Middle trace is the 100 Ohm case.
The next to bottom ttace is the 25 Ohm case. And the bottom trace is the
50 Ohm case.

The plotted data indicates that the DC voltage on the output capacitor
is zero for a match and positive for a mismatch. There is also an
AC component to the output voltage. The meter probably won't respond
to that. If it does, larger capacitors can be used.

I used Microsim's Design Lab Evaluation Version 8 to enter the schematic,
run the SPICE simulation, and produce the data plots.
I used model parameter values for a 1N34A diode from Chuck Adams, K5FO.
My SPICE book is THE SPICE BOOK by Andrei Vladimirescu, Wiley, 1994.
I used GSVIEW to produce the PDF files.

I had fun. Now I need to build it.

Jim, WD9EYB

Date: Fri, 9 Apr 1999 11:01:59 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Ron Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37695] Re: Error message
Message-ID: <Pine.OSF.4.05.9904091059390.10444-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It does not seem to a standard Windows 98 type file.

You could try using the find file command to locate the file, highlight it
and click on the properties. If you are lucky it might give you a clue as
to which program it belongs to...

Brian.

On Fri, 9 Apr 1999, Ron Stark wrote:

> It is never something I am using and is something
> called "TSADBOT".

+---+
| Brian Buydens,   Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca   http://duke.usask.ca/~buydens |
| VE5RDV |
+---+
| DO NOT ADD ME TO ANY MAILING   All wiyht. Rho |
| LISTS WITHOUT MY CONSENT !!!   sritched mg kegtops |
| awound? |
+---+

Date: Fri, 9 Apr 1999 18:08:42 -0400
From: pmk@juno.com
To: pmk@bellsouth.net, qrp-l@lehigh.edu, hats@stevens.com
Subject: [37696] Snappy ???
Message-ID: <19990409.180843.10374.0.pmk@juno.com>

Has anyone ever built something like a Snappy ???
All the stuff here in the shack has been either
home brew or kit built and would like to build
something I could take pictures with.

I have a old video camera and would like
to take snapshots for my web site. Also
would be nice for SSTV.

72 de Patrick KD4OBQ

AR
http://www.qsl.net/kd4obq/
pmk@juno.com for faster service.

Date: Fri, 9 Apr 1999 13:09:53 -0400 (EDT)
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [37697] Re: Dummy Load Question
Message-ID: <Pine.SOL.3.92.990409130714.22280A-100000@madrox>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

KM6WT asked about IDing when transmitting into
a dummy load - not a dumb quesdtion at all!

Theoretically, you aren't radiating any RF, there-
fore don't need to ID, or even have a license.

In practice, some RF always leaks out. If it's
enough to be noticed (I can hit local repeaters
on a dummy load when using my 2m amplifier),
you probably should ID.

Laura Halliday VA3LDH   "Que les nuages soient notre
Grid: FN03gs   pied a terre..."
                                - Hospital/Shafte

Date: Fri, 9 Apr 1999 11:41:31 -0700
From: "Mike Silva" <mjsilva@jps.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [37698] Re: Yep, there are some tube users here
Message-ID: <010801be82b8$962edec0$2c89a9ce@davidb-200.amotusa.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, I'm back one more time, since some folks have asked for more info. Here
are a few links with circuits, etc:

http://www.mnsinc.com/bry/hamfiles.htm   lots of tube circuits

http://www.qsl.net/n6ev/Glowbug.html   lots more circuits

http://www.qsl.net/kd6cc/glowbug   a 40m transceiver

http://hereford.ampr.org/cgi-bin/tube   good tube database w/ pinouts

Also, it just so happens that Antique Electronic Supply is having a tube
sale with lots of NOS tubes at from 25 cents to a dollar. See them at
http://www.tubesandmore.com to request a flyer if you're interested.

Many of you already know about the ARRL QSTs on CD-ROM. There are zillions
of tube projects in there, from the '20s to the early '70s. Great fun!
Handbooks from that era are also full of circuits.

73,
Mike, KK6GM

Date: Fri, 9 Apr 1999 13:40:24 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Jeff Johns <jeffj@scott.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37699] Re: Dummy Load Question
Message-ID: <Pine.3.89.9904091324.D5042-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 9 Apr 1999, Jeff Johns wrote:
>
> > When your testing a transmitter with a dummy load
> > do you need to ID? Do you even need to have a license?
>

> My answer is "No" based on the fact that there are no radio waves entering
> the air :)
>
Many successful QSO's have been made using dummy loads as antennas...

       73,
                    ,'' '',
     Bob Patten, N4BP   (0 0)   Plantation, FL
_____________________________oOOo-(_)-oOO_____________________________

                        E-Mail: n4bp@bc.seflin.org
             Web Page: http://wg104a.wh.uni-stuttgart.de/~n4bp
                    Brass Pounder BBS: (954) 472-7715

Date: Fri, 9 Apr 1999 13:50:05 EDT
From: PDouglas12@aol.com
To: rattray@gpfn.sk.ca3, ku7y@sage.dri.edu, qrp-l@lehigh.edu
Subject: [37700] Re: Error message
Message-ID: <f7c3c930.243f97cd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ron and Bruce and the Gang,
I know this isn't QRP, but we do all communicate here on the list with computers, and these issues are reasonably universal.
The problems of "illegal" actions by programs in Win '95 are often bugs in the programs and/or Windows 95 itself. Often there are patches on the net at the home websites of the makers of your programs, and Microsoft has similar updates for its Windows itself. These should be checked periodically for updates that may affect you, and they may contain "cures" for problems like lockups and illegals.

Another consideration, especially when there are files which turn up "missing" with some frequency is viral infection. All of us should be running current viral protection. Current means you have antivirus software of recent vintage with the most recent virus file update--from the software seller's webpage. I can tell you from first hand experience, there are viruses which will disrupt your drives and cause creeping loss of files.
Just last week my middle son came home from Boston U for spring vacation with a complaint that his desktop detected and killed a virus on a disk he had used to transfer a file from his laptop. I instructed him to shut down his laptop and leave it down until he could bring it home with him. At home, I swept his old 486 laptop with a good 3.1/DOS Virus killer, and found not one

but two viri. Both of them were potentially very destructive.
While it is still not potentially likely that simply reading email can cause spread of a computer virus, all should be cautioned that exchange of files, pictures, attachments of any kind, and disks can spread viri. Set your ISP to NOT automatically d/l attachments. Set it to ask you if you want to d/l any such files, and don't do it if you don't know the sender. All should be reminded that attachments of any kind are not welcome here on the QRP-L.
Your last line of defense, though, should be your virus program. The good commercial ones will look at incoming disks, d/l files from the internet , etc., as they come into your computer and holler bloody murder when they see a virus trying to sneak in. But the idea isn't to test the antivirus program to see if it detects the virus--what if it doesn't?

If you aren't running antivirus software, you are putting your computer and others' at risk.

Anyway, forgive the intrusion with non-QRP, but I think this is essential information.

72,

Preston WJ2V

Date: Fri, 9 Apr 1999 10:52:06 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Mont Pierce, KM6WT" <montp@synacom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37701] Re: Dummy Load Question
Message-ID: <Pine.BSI.3.96.990409105124.25658A-100000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

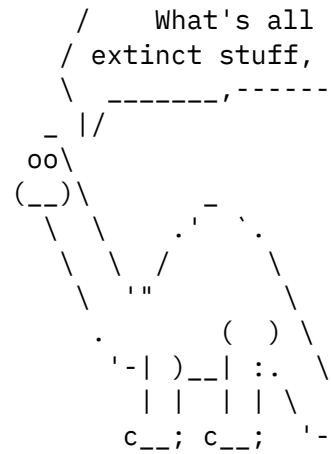
On Fri, 9 Apr 1999, Mont Pierce, KM6WT wrote:

> Ok, here's a really dumb question:
>
> When your testing a transmitter with a dummy load
> do you need to ID? Do you even need to have a license?
>

No.

No such thing as a dumb/stupid question. Just stupid answers.

,----------------------. Circuit Design for the



RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Fri, 9 Apr 1999 12:55:43 -0500
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [37702] Re: Dummy Load Question
Message-ID: <199904091755.MAA10534x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Fri, 9 Apr 1999 13:09:53 -0400 (EDT), Laura Denise Halliday
<lha@sdr.utias.utoronto.ca> wrote:

> Theoretically, you aren't radiating any RF, there-
> fore don't need to ID, or even have a license.

Jeff has learned yet another lesson today :) I correct my orginal answer to
"Yes" it is probably best if you do ID. I have learned more about Ham radio
and basic electronic theory in the past six months of being subscribed to
this list than I have in the 3 years of having my ticket!

73 Jeff

--------- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 ----------
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|

|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
--

Date: Fri, 9 Apr 1999 13:59:12 -0400
From: DNT1@daimlerchrysler.com
To: jeffj@scott.net
Cc: qrp-l@Lehigh.EDU
Subject: [37703] Re: Dummy Load Question
Message-ID: <8525674E.0062D8B4.00@lngodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

On Fri, 09 Apr 1999 09:33:58 -0700, "Mont Pierce, KM6WT" <montp@synacom.com>
wrote:

> When your testing a transmitter with a dummy load
> do you need to ID? Do you even need to have a license?

and Jeff replied:

> My answer is "No" based on the fact that there are no radio waves entering the
air :)
> 73 Jeff W4JEF

It would be advisable to ID, you never know who might be listening. After all,
there are hams on the list who have made some interesting contacts into a dummy
load!

73, Don T. AI4CW QRP-L#1670 EM64pw

Date: Fri, 09 Apr 1999 18:11:49 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Cc: dareid@Synopsys.COM
Subject: [37704] Linear Loaded antennas.
Message-ID: <370E42E5.34CB@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi David et. al.

   I started reading the drcp webpages yesterday and
really enjoyed the linear loaded antenna article linked
from your homepage at:

http://ourworld.compuserve.com/homepages/drcp/homepage.htm

It is funny, only this last weekend was I reading the ARRL
antena book, focusing on linear loaded antennas.
Good timing OM.

My question is regarding how one determines the electrical
length of the Radiator. You mention purchasing the aluminum
tubing and making up the length with the wire section. Am I
missing something? I was wondering if the radiator needs
to be a certain electrical length.

OH! I also thoroughly enjoyed your experiments with the
short TX Loop. I read that you found a better match
with a non-circular balanced driven loop. Interestingly,
I too found a shape that works well for me. Actually two
shapes that worked well for a good impedance match.

The best was shaped like an hour glass. Basically two
loops with parallel wire between the two. The easier
and nearly as optimum was a triangle. This information
is posted in detail on my web page.
http://www.qsl.net/we6w/projects/160_loop.txt

The corners of the triangle are rounded.

Anyway, if anyone has design information related to linear
loaded HF antennas, I'd be grateful.

TIA.
-Ed Loranger WE6W "72"

--
-Ed AR QRP Millennium QSO's=558/2000
72, Ed WE6W, A-1 OP; http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 09 Apr 1999 18:18:26 +0000
From: Ed Loranger <we6w@qsl.net>

To: qrp-l@lehigh.edu
Subject: [37705] QRP WSN-40 Net.
Message-ID: <370E4472.3CEE@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The QRP Western States Net is tomorrow and every Saturday
at 9:00 AM PACIFIC TIME. Currently this translates to
1600Z.

Frequency (QRG) is 7040 KHz.

I plan to operate at Roberts Lake Park in Rohnert Park, CA
as usual. Unfortunately my bicycle is out of commission
right now since the rear axel broke yesterday. Hopefully
the cyclery shop has one....

I guess riding 70 miles per week average for the last 2 years
3 months has taken its toll.

And the high winds and rain I reported in Monday's report for
the last net, well, that weather destroyed most of my 28 awg
antenna on the mobile home roof... Along with some siding.

So I am hoping to get on the net. Fortunately I'm not NCS again
until May 1st.

Best to all es FYI.
Ed Loranger WE6W "72"
Santa Rosa, Ca -- 58 miles north of SFO.

Date: Fri, 09 Apr 1999 14:27:40 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [37706] Re: Dummyload question
Message-ID: <60591@w4bkx.ampr.org>

I remember, some years ago, hearing a signal (on 15m I think) like
someone tuning up. It was kinda weak and I thought it might be some DX.
So, after the signal stopped I sent a "? de KD4LKG", my novice callsign
at the time. The signal returned "? ME ?". I sent "YES de KD4LKG BK".
The fellow on the other end replied (a K8 in Ohio) that he was tuning
into his "lightbulb dummyload from his basement radioshack".
I gave him a 529 and called it

"My first QSO with anyone using a subterranian incandescent antenna".
I remember the QSO but damned if I can remember the Operators callsign.
I think I have the QSL card around in a shoebox somewhere. So the answer
to the question - Couldn't hurt, and maybe even provide another entry
in the logbook and a memory for the Op on the other end <grin>. Go ahead
and send your callsign after tuning.
de Scott / W4PJ

Date: Fri, 09 Apr 1999 11:39:55 -0700
From: Jim <w7ls@blarg.net>
To: mikemo@ibm.net, qrp-l@lehigh.edu
Subject: [37707] Re: Pulse Radio
Message-ID: <370E497B.9D94D71F@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It does indeed, sound like spread spectrum, plus a liberal dash of
misunderstanding, on the part of a reporter.
    BTW, illegal or not, I know of at least one ham who has gotten
permission from the FCC, in writing, to operate a spread spectrum
station on 80 meters as an experimental setup, and has been operating it
successfully. It cannot be heard by conventional receivers, anywhere on
the band. Cool stuff, but not new.

Jim W7LS

Michael Maiorana wrote:

> Check out this article from USA Today
> http://www.usatoday.com/money/bcovfri.htm
> Another amateur radio operator makes a "splash" in technology.
> This is very cool stuff. If you want more detailed info look up his
> patents.
> --
> 72 de KU4QO
> Mike Maiorana
> Palm Harbor, FL
>
> "Has anyone seen my youthful exuberance? I must have misplaced it."

Date: Fri, 9 Apr 1999 13:54:20 +0000

From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@Lehigh.EDU
Subject: [37708] Dummy Loads
Message-ID: <199904091851.NAA14865@email.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Dummy loads radiate signals; some radiate quite a bit. The cable
between the rig and the dummy load also leaks RF.

If I were to hook my QRO rig to my dummy load, I would probably
radiate a stronger signal than many QRP operators.

I have calibrated rigs in the past by transmitting with one rig into
a dummy load while listening on another rig. Even with the drive all
the way down, a fair amount of RF leaks out.

How about Dummy Load Night as an operating event? To enter, one must
use a dummy load as the transmit antenna.

73 Bryan W8LN

Date: Fri, 9 Apr 1999 14:04:02 -0500
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: "qrp reflector" <qrp-l@Lehigh.EDU>
Subject: [37709] AEA morsematic keyer Questions
Message-ID: <000301be82bb$bd40fa40$52390b3f@default>

I have a bit of a mystery. Yesterday I bought an AEA morsematic keyer.
Really neat ... with message memory, morse code trainer and (finally!) a
beacon mode. Naturally, only a very rudimentary instruction sheet.

Here's the mystery. In the plastic bag with the keyer is homemade 25 pin
(female) cable. It has two rca type jacks (male) connected to the 25 pin
connector. It is all epoxied together and on the side is a hand written
label saying "AEA keyer to laptop". There is no documentation in the manual
(such as it is) and I am reluctant to just start plugging cables into my
computer to see what happens. Obviously it is to connect to a pc but can
anyone give me a good guess (or an answer) to WHY? My guesses are 1) to
load text to the keyer memory. 2) to interact with a program like
SuperMorse, Morse Academy or the MFJ keyer program and 3) to somehow send
code to a pc for sending practice. I'm just not computer literate enough to
quite figure it out. Any help would be sincerely appreciated .. on the list

for general education or directly to me if my question is really dumb.

thanks Mike n0wdm minnesota

Date: Fri, 09 Apr 1999 13:08:48 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37710] Re: Linear Loaded antennas.
Message-ID: <370E5040.5CC3@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

> Anyway, if anyone has design information related to linear
> loaded HF antennas, I'd be grateful.
>
> TIA.
> -Ed Loranger WE6W "72"

Ed and gang!

>From what I have read a good starting place when building a linear loaded element is to make it 10% longer than the 1/4 formula and trim from there..72, Tom Wb5QYT.." Have spud will travel!

Date: Fri, 09 Apr 1999 15:18:58 -0400

From: Michael Maiorana <mikemo@ibm.net>
To: w7ls@blarg.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37711] Re: Pulse Radio
Message-ID: <370E52A2.B9BCEBA@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim wrote:
> It does indeed, sound like spread spectrum, plus a liberal dash of
> misunderstanding, on the part of a reporter.

I have received many messages saying "it's just spread spectrum". Well, I don't think that it is. The usa today article is very "fluffy". Look up his patents on the IBM patent server and spend a few minutes (hours) reading them. It really is very interesting stuff.

Here is a snip from the patent.
"transmitting a series of spaced, A.C., carrierless burst signals, each of which is generally monocyclic, into free space"

By precisely timing the pulses the receiver can glean digital data, as well as location information.

Go to http://www.patents.ibm.com/ and search for inventors. His name is Larry Fullerton.
--
72 de KU4QO
Mike Maiorana
Palm Harbor, FL

"Has anyone seen my youthful exuberance? I must have misplaced it."

Date: Fri, 09 Apr 1999 13:11:05 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37712] Re: QRP WSN-40 Net.
Message-ID: <370E50C9.5BEF@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:
>

>

> I guess riding 70 miles per week average for the last 2 years
> 3 months has taken its toll.

Hey Ed, you been haulin too many QRP rigs bud!! 72, Tom WB5QYT

>
> Best to all es FYI.
> Ed Loranger WE6W "72"
> Santa Rosa, Ca -- 58 miles north of SFO.

Date: Fri, 9 Apr 1999 13:23:49 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: qrp-l@Lehigh.EDU
Subject: [37713] Re: Dummy Load Question
Message-ID: <19990409192138353.AAA213@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> It would be advisable to ID, you never know who might be listening. After all,
> there are hams on the list who have made some interesting contacts into a dummy
> load!

OK, I can see transmitting, but how well does a dummy load
receive?

New improved Dummy load with 20db gain over conventional
dummy load. :-)

Carl
zmola@campbellsci.com

Date: Fri, 9 Apr 1999 12:30:34 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [37714] Some More QRP to the Field History, and the Infamous Area 51 Expedition (Long)
Message-ID: <01be82bf$70bf4420$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ever wonder how all of these "go to the field and operate your qrp rigs contests" got started? The originators were the guys in New England QRP Club. Jim Fitton, W1FMR was the president and mover and shaker at that time. The New England club wanted a way to motivate guys to operate out in the field with their QRP rigs. They felt that Field Day was so much fun, that it should happen more than one time a year. So they came up with the idea of QRP Afield. It was a blast, and everyone had a good time. QRP-L was full of posts about how much fun it was, and I contacted Jim and suggested that the New England Club sponsor one in the spring as well. Jim replied that he thought it would be a better idea if NorCal sponsored the spring contest, to spread the fun around (I now realize that he meant spread the work around, you gotta watch those New England guys, they talk funny and are sharp fellas). I agreed that NorCal would sponsor it, and we needed a name. Jim suggested that we use QRP to the Field, to differentiate between the two contests. Bob Farnworth, WU7Y volunteered to run the contest, and the rest is history. Soon the Arizona ScQRPions would follow with their very popular FYBO and Bubba contests, the Colorado QRP Club had their Dog Sled Run, and the Adventure Radio Society even came on with monthly contests, all because QRPers love to operate and have fun. The common link that all of these contests have is that they are promoted and reported on QRP-L. So, when you and your buddies are sitting around having a few beers and someone asks who came up with the idea of QRP contests in the Field, the answer is "Jim Fitton, W1FMR". And if they ask what was the first such contest, the answer is "QRP Afield" sponsored by the New England QRP Club.

The second "Theme" for the third QRP to the Field contest (confused? Wait til you read more of this.) was "Operating from Strange Places". What could be stranger than Area 51? Paul suggested we go there, and I quickly agreed. Monte Stark and Bob Follett heard we were going, and offered to join us. Bob even offered to pull his Coachman Tent Trailer all the way from Park

City, Utah so that we would have a place to operate. We all agreed to meet in Vegas the night before and we would leave early the next morning to drive out "near" Area 51 to operate.

I was telling some of my buddies at the coffee shop that I was planning on going to Area 51 to operate a special ham radio and one of them said to me in a serious tone, "Doug, you aren't really going to go up to the fence of Area 51 and set up your ham radio station are you??"

"Sure, why not? I have a battery, portable antenna, it will be a piece of cake."

He then told me that he used to be in the Air Force, and was stationed at Nellum AFB, and that it wouldn't be wise to do that. He informed me that if I were arrested by military police that I could be detained for up to 3 days without a phone call or any notification of anyone. Boy that sobered me up in a hurry. My wife, JoAnne, had informed me that she wanted to go on this ham radio trip. I couldn't figure out her sudden interest in ham radio until I happened to remember her penchant for slot machines. Thinking of being detained for 3 days and her on the loose in Vegas with all of those slots was an ugly situation that I didn't want to even think about.

When we arrived in Las Vegas, Paul was there to meet us and took us to our hotel where we checked in and then headed out for a late night dinner at the Stardust. Lobster and Steak for $6.95, what a deal. We gambled a little, I won about $100 or so and soon it was 3:30 in the morning. Paul and I decided that we should get at least a couple of hours of sleep, as we were scheduled to meet Ron and Bob that morning at 7:00 AM. We went back to the hotel, stumbled into bed for what seemed like 20 minutes of sleep, and suddenly the alarm was ringing at 7 AM. I quickly got up and dressed and went down to meet Bob and Ron. Paul finally showed up at somthing like 8 oclock, so we got a late start. We loaded everything into the two vehicles and headed north out of Las Vegas towards Rachel and Area 51.

When we had gotten as close as we dared, we started looking for a good spot. Finally we found a side road, we pulled off and set for the day. Bob had his tent trailer, and it was a dream to operate out of. We set up a station in there, and then another SSB station about 100 yards away in Paul's rental car. Our antennas were an R7 Vertical I believe that Bob had, and two St. Louis Verticals with Vern Wright coils that Paul and I had.

Luckily there was no wind. After about 45 minutes, we were set up and ready to operate, but there was nothing, absolutely nothing on the bands. Monte looked at Bob, I looked at Paul, and no one said anything other than, "Boy sure aren't very many signals today, must have been a solar flare or somthing." But what I was really thinking was did the government have some type of secret weapon to keep RF out of this area??? Could be. We kept trying, while we still had fun visiting. Then, about 2 PM, the four of us

were in the trailer talking, and a sudden gust of wind, shakes the whole trailer. Everyone gets wide eyed, because the day was absolutely calm up until that point, and just as suddenly as it appeared, it calmed down. Then we started to hear signals. Contacts were easy. I don't know how to explain it, but it did happen. Ron Stark and Bob were knocking off the contacts like crazy and we had a lot of fun. But soon the contest was over. We took pictures for QRPp, and then tore down and headed back to Las Vegas.

That night, Paul wanted to take JoAnne and I out to dinner at Steven Spielburg's "Dive" restaurant, which is like the inside of a submarine inside and full of all kinds of gadgets. If you ever get to Vegas, be sure and go there. We had a nice dinner, and then went to Circus Circus. My wife and I decided to put $20 in a $5 slot machine (big spenders huh?? We hit it for $100!! Each of us took $50, with me heading for the crap table. I was going to impress Paul with my ability to play craps. It took all of about 37 seconds for me to lose the $50. Here I am, broke, and so we decide to find JoAnne. She was all smiles and when I asked how she was doing, she handed me a stack of bills to count. I couldn't believe it. She had turned the $50 into $1100. Hey, what a deal. Thinking that I would be in for at least half, I was all smiles. JoAnne, read me like a book, and said no way Jose. We were hungry and so JoAnne decided to share her wealth by buying Paul and I strawberry shortcake. So she did share.

We got to bed again about 4 AM and after 3 hours or so of sleep, got up to meet Ron and Bob and their wives for breakfast at 8 AM or so. Paul didn't come and he didn't come, and finally he arrived and he looked horrible. He hadn't shaved, his hair was a mess and I said "What in the world happend to you??"

He had gone back to Circus Circus where he was staying, and had just gotten to bed, when some tourists tried to cook some food in their hotel room. Of course the smoke alarms went off, and they had to empty the entire floor. Great. Paul has visions of the MGM fire, he is on the 10th floor or so, and he is really scared. They go down the stairs and out the door. They had to wait outdoors for 2 hours until the smoke cleared from the floor. Every room had to be inspected, etc. Needless to say, he got no sleep that night.

After breakfast Paul took JoAnne and I back to the airport, where we drove around for an hour trying to find out where to take the rental car back. Finally found it, and had to take a shuttle bus to the terminal. That's when things got interesting. We both were carrying our SLV poles, and the guy driving the bus asked what they were. Paul explained about our QRP expedition to Area 51, etc. Then this guy points out a hangar where there are a whole bunch of unmarked planes. He says that they are 727's and that they are used to fly supplies in and out of Area 51, that whenever one of them goes to the taxi strip, it immediately goes to the front of the line, etc. etc. Don't know if it was true, but that is what he told us, and the

planes were unmarked.....

Boy, another QRP to the Field expedition, and just as much fun as the first one. Again, we didn't make a lot of contacts, but we did get out in the field, we had a blast, and an adventure besides. Fun was a 10 on a scale of 10.   Ron Stark made the most contacts, but Bob, Paul and I all had as much or more fun. These "to the field theme QRP contests" were starting a pattern, they were fun. Others were writing reports of their adventures too, and the interest and participation in the contests were taking off.

Next, Paul and I are joined by Bertie and Bob Hightower as we visit Tim Pettibone, who was our gracious host in the first ever "Run to the Border" operation.   We met the U.S. Border Patrol (about 17 times), I was frisked by the Mexican Border Patrol, and we finally were able to post a decent score. Details next week.

Don't forget this year's QRP to the Field contest is Saturday, April 24th. See the NorCal Web Page for the official rules. Hope to see you in the contest. 72, Doug, KI6DS
72, Doug, KI6DS

Date: Fri, 09 Apr 1999 19:24:56 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [37715] Linear Loaded Antennas. Answer found.
Message-ID: <370E5408.67AF@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang, the archive is slow to update and I am on POSTPONE so
I decided to to a web search for 'Linear Loaded Vertical Antennas'.

Once again L.B. Cebik comes to the rescue. His webpage was
#1 in the list.

http://web.utk.edu/~cebik/fdim1.html

FDIM 1996 article.

Thanks L.B.!

72/Ed we6w
--

-Ed AR QRP Millennium QSO's=558/2000
72, Ed WE6W, A-1 OP; http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 9 Apr 1999 15:30:59 EDT
From: SKIPNC9O@aol.com
To: Robsparks@aol.com, qrp-l@lehigh.edu
Subject: [37716] Re: AR QRP 40 m net results
Message-ID: <e631b6c.243faf73@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-04-08 15:51:31 EDT, Robsparks@aol.com writes:

<< The AR-QRP Net last night had 4 QNIs amid crowded band conditions. The net
 QSY'd down to 7.04185 and started at 0030Z. We had a new QNI for the net
from
 Texas, KC5T Bob, running a Sierra at 5 watts. We would likely have had more
 QNI's had I posted the time correctly to the list! The correct time for the
 AR nets during summer is 0030Z.
  >>

Hi Bob,

    You sure would have had more than one new QNI. I was at home for a
change and got on at 0140 and started looking. Heard Fred VE6FAL on
and got my first Canadian flower a Trillium. Maybe I will make it in the next
time. I usually am working in the evenings though.

72/73, Skip NC9O
   K2 at 2 watts out, what fun !!!!!

Date: Fri, 9 Apr 1999 14:39:30 -0500
From: applitech@mcg.net (Claton Cadmus)
To: <zmola@campbellsci.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [37717] Re: Dummy Load Question
Message-ID: <02da01be82c0$c2b7a6e0$a10a5e2c@groucho>

Carl Zmola <zmola@campbellsci.com> asked:

> OK, I can see transmitting, but how well does a dummy load

> receive?

Just as good and with the same efficiency as it transmits. ;-)
---
73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page http://www.qsl.net/mnqrp

Date: Fri, 9 Apr 1999 16:09:59 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [37718] Spring Party Teams???
Message-ID: <Pine.3.89.9904091649.A12206-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I didn't have time after returning from my Grand Canyon hike to set up a
team in the ARCI Spring Party this year. I'm feeling lonely, anyone need
another member for their team? I need the motivation...

       73,
                    ,'' '',
     Bob Patten, N4BP   (0 0)   Plantation, FL
_____________________________oOOo-(_)-oOO_____________________________________

                         E-Mail: n4bp@bc.seflin.org
              Web Page: http://wg104a.wh.uni-stuttgart.de/~n4bp
                     Brass Pounder BBS: (954) 472-7715

Date: Fri, 09 Apr 1999 13:27:35 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: jeffj@scott.net
Cc: qrp-l@lehigh.edu
Subject: [37719] Re: Dummy Load Question
Message-ID: <199904092027.NAA20650@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:57 AM 4/9/99 -0500, you wrote:

>On Fri, 09 Apr 1999 09:33:58 -0700, "Mont Pierce, KM6WT"
<montp@synacom.com> wrote:
>
>> When your testing a transmitter with a dummy load
>> do you need to ID? Do you even need to have a license?
>
>My answer is "No" based on the fact that there are no radio waves entering
>the air :)
>

Aaah, but there are! There are reports of contacts being made with dummy
loads, and I have heard my neighbor, about 2 miles away, on his dummy load.
Better, in fact, than on his beam :^)
72,73
Bob Hightower KI7MN

http://www.extremezone.com/~ki7mn

Date: Fri, 9 Apr 1999 14:11:43 -0700 (PDT)
From: John Scott <kk5vh@yahoo.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [37720] some NC20 help needed
Message-ID: <19990409211143.25239.rocketmail@send205.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi guys,

Completed my NC20. I decided to ensure the whole thing was
working before I put in the AGC mod.

An odd thing happend to me on the way to tuning the Xmit offset
tone. When I put the resistor in the holes of the board so that
I could tune the xmit frequency to the same tone as the TICK.
What I got was a loud chirp everytime I tune the adjustment near
the correct tone. As I tune though I get one (what sounds like
a motor boat putt) chirp then the audio comes back. The
loudness of the tone I am trying to listen to is way down (I can
bearly hear it when the TICK is turned off) and as I get close
to the needed frequency then wham a large chirp and back to the
low level again. I have yet to find a bad part or misinstalled
one.

What I need is to find out if this is "normal" and if so I will
put in the AGC mod. If not I think it needs to be trouble shot
before the AGC mod to help find it. Nothing like crawling

through marked up schematics..

Second, the transmitter puts out exactly 5 watts max with 13.8
vdc input. Any recommendations on swapping out a transistor or
two to get the power up. I would like to have 5 watts minimum
at 12.6 vdc. (max qrp power at nominal battery voltage)

Box is being painted and marked this weekend.

Thanks
John KK5vh
KK5VH@yahoo.com

Date: Fri, 09 Apr 1999 21:41:28 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [37721] The ARS Sojourner -- Perfect Chair
Message-ID: <370E7408.6796@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang, the ARS Sojourner has some great information on these
back packable and 'Trail Friendly' chairs.

The Quad Chair is featured by AB4BP. Finally a web photo!

http://www.natworld.com/ars/pages/back_issues/0499_text/perfect_chair.html

This is not an endorsement. And definately not the easiest and
lightest chair to pack around. Just FYI because we
talked about these last week....

72/Ed we6w (With broken rear axel on bicycle 8..(
--
-Ed AR QRP Millennium QSO's=558/2000
72, Ed WE6W, A-1 OP; http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 09 Apr 1999 17:43:06 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [37722] How could we work this out???
Message-ID: <370E746A.5AAADC90@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been wrestling with a bit of a problem in a number of places in the QRP community. For very good reasons, most of the club publications have moved to a flexible "four times a year" format. As I have discovered with a couple of club publications, if your magazine comes along, all is fine. But you don't always know that a new issue is out there unless you hear somebody mention it either on a club website or on QRP-L. In the last year I have been "out of the mailing loop" three times with two different publications. NOTE*** This is in no way a neagtive statement about club magazines. I'm involved in publishing and I know how complicated it can be to deal with the mail service. I all three cases, once I made the publisher aware of the situation the magazine arrived at my doorstep. But still, had I not heard folks talking up the new issue I would could have missed it. Maybe a web site could volunteer a bit of space to list publication and mailing dates of the QRP Quarterly, QRPp, Sprat, etc. so people can know when to expect their issue. This would serve a further service in that those of us to tend to get impatient (myself included) would not hound the various publishers for no good reason.

--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Fri, 9 Apr 1999 19:48:41 -0400
From: wa8rxi@juno.com
To: bmug@gwl.com
Cc: qrp-l@Lehigh.EDU

Subject: [37723] Re: O'Scope Help
Message-ID: <19990409.200932.-160217.4.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brad,
If your #1 is actually the TEK 465B, my guess would be that it's worth
about $200 to $300.
That's with a Manual and 2 -10X Probes.

An O'scope, once you learn how to use it, will help you find trouble a
lot quicker
than with a DMM. After all, you can't very well look at waveforms with a
Meter ;-]

But, you have to weigh some factors about your own situation.
Will you be doing a lot of building or experimenting of electronic
circuits ?
If so, then an O'Scope, RF Signal Generator, Freq. Counter, etc. are all
good tools.

With most of the newer kits today, however, a DMM (or Analog) and a
well
calibrated XCVR would suffice.
For example, I have used my Kenwood TS-830S as both a Freq. Counter
& Sig. Generator... (into a dummy load, of course!)

GL es 73, Rick - WA8RXI   Taylor, MI.
Blue, Orange, Green, Brown, Slate!
White, Red, Black, Yellow, Violet, Mate!

On Fri, 9 Apr 1999 10:08:45 -0600 Brad Mugleston <bmug@gwl.com> writes:
>I may have the opportunity to purchase one of the following O'Scopes
>tomorrow
>at an auction. I need to know:
>
>1 - What are they worth,
>2 - should I purchase one (I will use it for QRP building).
>3 - should I stay away from one or more
>4 - What should I look for as far as condition
>5 - anything else I should know
>
>

>This is all the information I have on them
>
>#1 - Type 564B
>#2 - Type 547
>#3 - HP 1980B
>
>Thanks and like I said this is tomorrow (Saturday April 10th) morning
>so if you
>have the time I could use the information TODAY.
>
>de KI0OT, Brad
>

Date: Fri, 9 Apr 1999 17:42:45 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: PDouglas12@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37724] Re: Error message
Message-ID: <Pine.GSO.4.10.9904091737460.23680-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There is a further dimension to the "error" "illegal operation" message.
It is often a problem with .DLL files. Very often these files are updated
but not 100% backwards compatible. Hence, if I install a new program A
with the latest version, it may replace a .DLL file with the later version
in one of the Windows subdirectories. Then an older program B that ran
fine until today may do anything from not run at all to occasionally
create an error message when a certain operation is performed. If you can
find the old .DLL and install it in the program's .BIN file or equivalent,
the old program will usually run fine using that .DLL while other programs
use the new one. Had just this problem with version 6 of TurboCAD vs.
versions 4 and 5. The error message usally identifies in the details
option the file in question--most of the time.

This is significant to those developing computer control of QRP rigs.
(Wondered how I'd make this fit the list.)

-73-

LB, W4RNL

Date: Fri, 9 Apr 1999 15:08:00 -0700
From: Brian Murrey <brian@iquest.net>
To: buydens@duke.usask.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37725] Re: Error message
Message-ID: <99Apr9.151033pdt.17037@firewall.bellind.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

TSADBOT.EXE is usually included with WinZIP freeware. It's supposed to
pull up random web advertisements when you use Explorer.

"Brian.Buydens@usask.ca" wrote:
>
> It does not seem to a standard Windows 98 type file.
>
> You could try using the find file command to locate the file, highlight it
> and click on the properties. If you are lucky it might give you a clue as
> to which program it belongs to...
>
> Brian.
>
> On Fri, 9 Apr 1999, Ron Stark wrote:
>
> > It is never something I am using and is something
> > called "TSADBOT".
>
> +---+
> | Brian Buydens,   Computing Services, University of Saskatchewan |
> | email: Brian.Buydens@usask.ca   http://duke.usask.ca/~buydens |
> | VE5RDV |
> +---+
> | DO NOT ADD ME TO ANY MAILING   All wiyht. Rho |
> | LISTS WITHOUT MY CONSENT !!!   sritched mg kegtops |
> | awound? |
> +---+

--
==
       KB9BVN :NORCAL #2792 FISTS #5695 QRP-L #1540

        39.558 N   86.095 W   Johnson Co., Indiana
     GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.5w
 Proud to be a member of the American Radio Relay League
==========

Date: Fri, 9 Apr 1999 15:10:29 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37726] Re: How could we work this out???
Message-ID: <Pine.SOL.3.96.990409150229.11303C-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Skip,

You bring up a good point and it sure is valid!

As for the ARCI Quarterly, it is still done on a Jan, April,
July and Oct basis. Due to some changes in editor and then
the new editor getting a promotion and moving his household,
and a few other large projects on his plate, two issue of
the Quarterly have been, understandably late.

The April issue is (as far as I know, still at the printers).
I will be doing the July issue and it will be back on track
time wise.

George has done a super job as editor, much better than I did,
but with all the new events in his life he has to give that
hat up!

I'd like to thank George for what he has done and let all
know that I wish he could pull off working 35 hours per day!

Your concern about when to expect your magazine is one of
the major reasons that I like having the month it is due
right up front.

I'll check with our WEB master and see if he can put a
"when is it due" box on the home page.

cul,

73, Ron,   SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: 9 Apr 99 18:12:33 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: tjarey@home.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37727] Re: [How could we work this out???]
Message-ID: <19990409221233.4846.qmail@www0x.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

"T.J. \"SKIP\" Arey N2EI" <tjarey@home.com> wrote:
I have been wrestling with a bit of a problem in a number of places in
the QRP community. For very good reasons, most of the club publications
have moved to a flexible "four times a year" format. As I have
discovered with a couple of club publications, if your magazine comes
along, all is fine. But you don't always know that a new issue is out
there unless .....

Hi Skip and Gang,
  The words i am about to utter are factual, not flames and not worthy of=

flames. None the less, i found myself receiving sometimes 1 or 2 issues o=
f QRP
publications from each subscription, each year, for several years. My QS=
T's
came on time, each and every month, like clockwork. Decided there was rea=
lly
nothing there i was reading in them(when i got them) that i could not liv=
e
without. Since my interest is primarily technical, i now have more money =
to
spend on technical sources of info, BOOKS!
  I'm no less a QRP'er because i quit spending money on QRP subscriptions=
=2E I
guess the QRP-L has become my principal news source in QRPdom.
  73 es Hope to see you all this weekend in the QRP ARCI Spring Test!
                              Roy Lincoln WA4DOU

1

Date: Fri, 09 Apr 1999 15:26:44 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: tjarey@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [37728] Re: How could we work this out???
Message-ID: <370E7EA4.361E7997@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

T.J. "SKIP" Arey N2EI wrote:
>
> Maybe a web site
> could volunteer a bit of space to list publication and mailing dates of
> the QRP Quarterly, QRPp, Sprat, etc. so people can know when to expect
> their issue. This would serve a further service in that those of us to
> tend to get impatient (myself included) would not hound the various
> publishers for no good reason.

I agree, Skip. I had heard that the Winter issue of QRPp was delayed,
and
am not sure if it is out yet, if I failed to renew, or it got lost in
the
mail. And, I certainly hate to bug Doug or Jim about it.

72 de Jim - AD6CW

Date: Fri, 9 Apr 1999 15:45:13 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <qrp-l@LeHigh.edu>
Subject: [37729] NorCal 20 Custom Enclosures
Message-ID: <199904092245.PAA21076@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am still waiting for the sheet metal shop to finsh the next batch of
enclosures. Once i get them I send them to the platers, take them back to
sheet metal shop for Pem nuts, then engrave them. Hopefully I can ship
within two weeks...Thanks all for being so patient, some guys just missed

the last run, been waiting for weeks! I been putting the grind on the sheet metal guys...72 Doug Hauff KE6RIE

Date: Fri, 9 Apr 1999 16:54:20 -0600
From: "Zoerb, Ron" <Zoerb.Ron@tci.com>
To: "'QRP-l Messages'" <qrp-l@lehigh.EDU>
Subject: [37730] QRPTTF from WY/NE/CO
Message-ID: <D1C278DC1C1FD111BBD200805FCCAA050100AC44@copland.tci.com>
MIME-Version: 1.0
Content-Type: text/plain

No Taco Bell in sight, will have to make do with deer jerky, Pork-n-Beans and Almond Joys.

This is one of the windiest spots in the country, so speak up to make your signals heard over the howl of the wind.

Hoping to work each and every one on QRP-L.

72

Ron   ki0ii
   qrp-l # 928   cqc # 192

Date: Fri, 9 Apr 1999 18:54:27 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [37731] dElighted my CAJUN MAMA WITH QRP
Message-ID: <19990409.185428.-378487.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

HIGH GANG:

      OH sing a happy song today...sing praise to a good antenna... make use of the power u got in ur radio son... 'cause ur cajun mama is listening....

I pulled my antenna (wire, dowel rods and rope) up another twenty foots and worked ok1fm (ssb) long path... just had to be, as my antaneye was (is) pointed se from heah...

might note he was pointed short path... so I kinda snuck in thair from his crawfish side.... hee hee....

Never understimate the powers of luck or conditions or antennas..... especially with good antennas..... the other two seem to be there more often.....
and never, never doubt the prayers of your cajun mama...

joel ke1la
in maine using the "mighty five" with the "lively wire"
and makeing racket in ok1 land.... among others

End of QRP-L Digest 1421
****
